

# Stretch Your Memory to the MAX

# Amazing / AMIGA

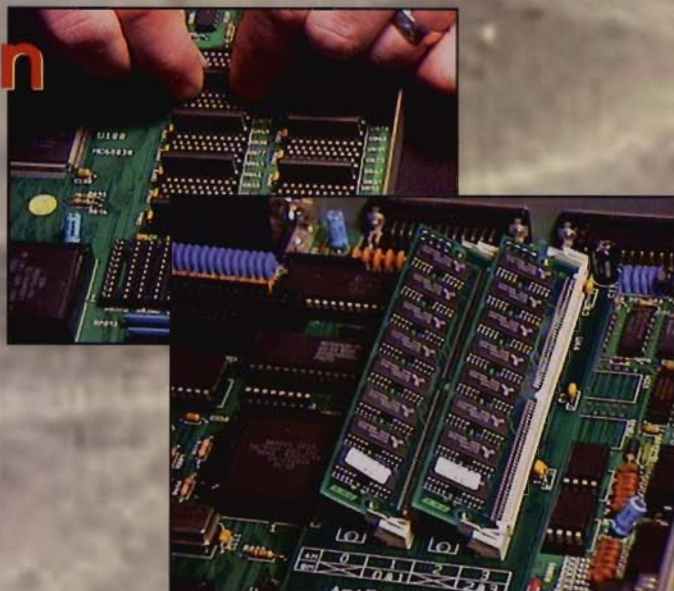
COMPUTING™

Volume 12 No. 3 March 1997  
US \$3.95 Canada \$5.95

Your Original AMIGA® Monthly Resource

## Memory Expansion

AmiFast 3000  
for A3000 owners



## Audio Thunder

Easily transfer Sound Files  
between formats

## QuikPak's Letter to Amiga Users

ViScorp out, QuikPak in?

## Kara Fonts

The ultimate CD-ROM?



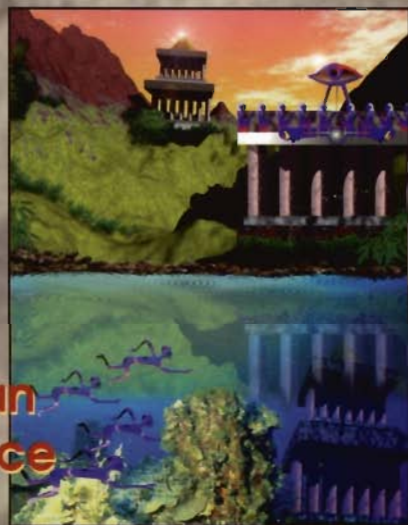
## PLUS!

E-Mail Utilities

WorkBench Fixes



Amiga  
Graphics with an  
Egyptian Influence





# An Incredible Price

## Ibrowse

## \$33.95

## \$35.95

## AWeb

Robinson Consulting I.S. is proud to present special pricing for our iSTAR and NETCOM customers. Together with QuikPak we're striving to provide optimal value to the Amiga community. With offers like this it's clear that **Now Things Are Happening**. Cruise the World Wide Web in style with these fully registered browsers. To qualify for this pricing, all you need to provide is your current iSTAR/Netcom email address.

---

### STILL NOT CONNECTED TO THE INTERNET?

Get surfin' now with the Internet Starter Kit. For only \$29.95 you can get your first month of internet access with **pre-configured** software for iSTAR or Netcom.



In the U.S. phone QuikPak at 1.888.784.5725  
In Canada phone Robinson Consulting I.S. at 1.800.586.5449

Shipping and applicable taxes not included. Prices for Ibrowse and Aweb are in U.S. funds.

# INTRODUCING THE NEWEST MODEL FROM QUIKPAK

The A4040L and A4060L represent the latest innovation from QuikPak. A fully functional Amiga in a portable case, complete with LCD, these computers offer full compatibility with all A4000 peripherals. Combined with the NewTek Toaster and Flyer, the A4040L and A4060L are the ultimate graphics and television broadcasting solution.



## A4040L

- \* 68040 25Mhz CPU
- \* 2 GB HDD
- \* 6X CD ROM & ASIM CDFS
- \* \$4495, or \$9495 when bundled with the NewTek Toaster & Flyer.

## A4060L

- \* 68060 50Mhz CPU
- \* 2 GB HDD
- \* 16 MB EDO RAM
- \* 6X CD ROM & ASIM CDFS
- \* \$4995, or \$9995 when bundled with the NewTek Toaster and Flyer.

**NOW THINGS ARE HAPPENING WITH THE AMIGA**

**Q** **QUALITY**  
**QUICKLY**  
**QUIKPAK**

Call QuikPak @ 1.888.784.5725  
or by email: [quikpak@ix.netcom.com](mailto:quikpak@ix.netcom.com)  
[www.amigasupport.com/quikpak](http://www.amigasupport.com/quikpak)



# TERRIFIC PACKAGES FROM QUIKPAK

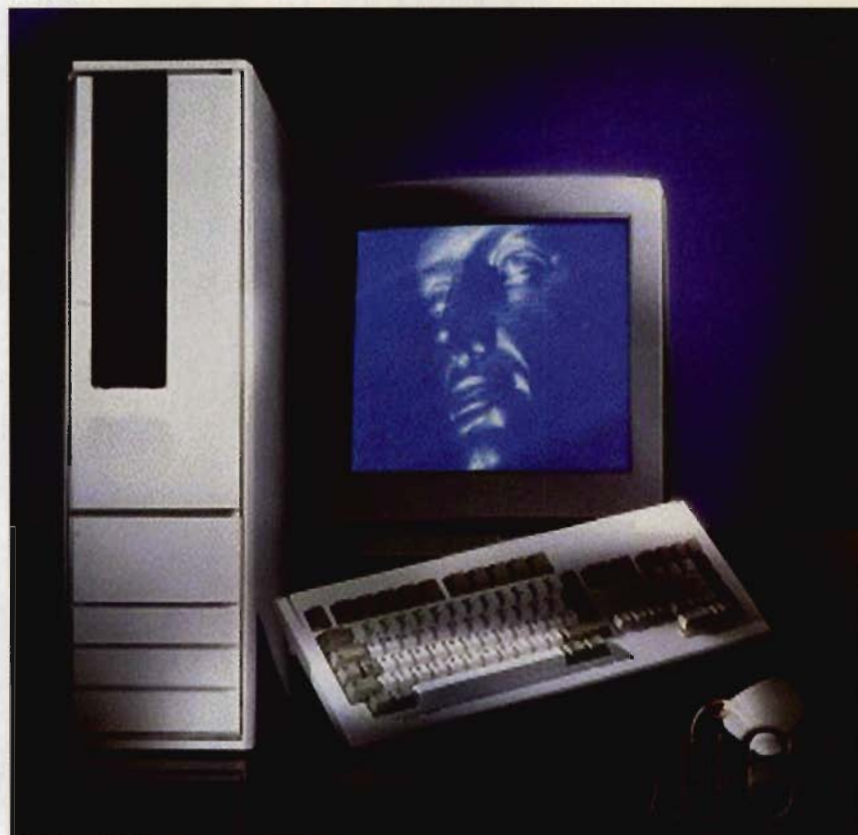
## A4000T

- \* 2GB SCSI Drive
- \* 6X CD ROM & ASIM CDFS
- \* Value Priced @ \$1997.00

## A4060T

- \* 2GB SCSI Hard Drive
- \* 6X CD ROM & ASIM CDFS
- \* Value Priced @ \$2697.00

All QuikPak Amigas come with Wordsworth 4SE, Photogenics SE, Personal Paint, TurboCalc, Organizer, Scala, and preconfigured Internet Software from Robinson Consulting I.S.



### *Accelerate Your Amiga*

If you're looking for the most powerful Accelerator for your Desktop A3000/4000 series computer or A4000T, then look no further. The A4060T and A4060D accelerators offer a 50Mhz 68060, SCSI-II wide, 64-bit EDO RAM capable, designed and manufactured in the U.S.A., and are available today.

Both Models are available for \$999

## NOW THINGS ARE HAPPENING WITH THE AMIGA

**Q** QUALITY  
QUICKLY **UIKPAK**

Call QuikPak @ 1.888.784.5725  
or by email: [quikpak@ix.netcom.com](mailto:quikpak@ix.netcom.com)  
[www.amigasupport.com/quikpak](http://www.amigasupport.com/quikpak)

Circle 111 on Reader Service card.



# Stretch Your Memory to the MAX

## Amazing / AMIGA

COMPUTING™



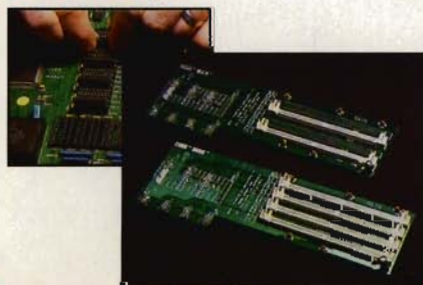
Egyptian Hieroglyphics, P.16



KARA Fonts, P.20



Audio Thunder, P.30



AmiFAST 3000, P.34

### 9 New Products

#### & Other neat stuff

Personal Paint 6.4, Storm C, Audio Thunder, the new ARCH Computer Technology company, QuikPak accelerators and more new products are now available.

### 16 The Egyptian Connection

by R. Shamms Mortier

The rich symbol heritage of the Egyptian Hieroglyphics language could be just the thing for your next artistic enterprise.

### 20 Kara Forever

by R. Shamms Mortier

Kara Software's font volumes have played an important part in the Amiga's history. Kara fonts were made for video display, yet they work equally as well when targeted towards desktop publishing.

### 26 On Line

by Rob Hays

Send your e-mail by Air Mail, use a Bomb! to read your e-mail, and tour the AmigaZone from your own web browser.

### 30 Audio Thunder

by R. Shamms Mortier

AsimWare Innovations makes it possible to translate your Amiga audio files to and from other formats.

### 34 Installing the AmiFAST 3000

Improve your Amiga 3000's capacity with standard 72-pin SIMMs with this hardware project.

### 36 Stretch Your Available RAM to the MAX

by Dave Farquhar

Do you have an old A500 or even an Amiga 1000 with little memory? Perhaps you can still get some useful work out of them with these special memory saving techniques.

# VISCOR

VISUAL INFORMATION SERVICES CORP.

48 VIScorp Fades as  
Quikpak Announces  
Offer for Amiga  
Technologies

QUALITY  
QUICKLY  
**QUIKPAK**

"QuikPak believes that there is more to the Amiga than a simple set top box. We believe that the A4000 and its successors have a place in the market. We believe that a model along the lines of the A1200 also can play an important role in the future of the Amiga."



### 42 This Old WorkBench Episode 6:

#### Progress is our most Important Product

Mr. Matthews offers a variety of utilities to brighten up your Amiga or ease your task. This month's assortment includes a program to liven up your bland Amiga boot sequence, a utility to display icons for files with no icons, Pop up 3D style menus, solutions to mode promotion, and more.

## DEPARTMENTS

Editorial	4
FeedBack	6
Index of Advertisers	40



# Editorial Content

Of course I always believe that every issue of *Amazing Computing* is important, but as I finish this issue I am impressed with the depth of the articles. This doesn't mean that articles we published in other issues are any less important, it is just that these articles cover such a wide range of the Amiga's capabilities and interests.

## Shamms Does It Again

The Egyptian Connection by Shamms Mortier is another example of the depth this author has been able to bring to *Amazing Computing*. Using something as unusual as Egyptian Hieroglyphics, Shamms shows us how we can utilize these symbols to create our own works of art.

In Kara Forever, Shamms explores the potential of the new CD-ROM from Kara Fonts. Kara Fonts issued this CD-ROM with virtually everything in their library on it. Shamms' excitement with this volume of tools for both video and desktop publishing electrifies the article.

Audio Thunder by AsimWare Innovations is a translation tool created specifically for sound files. Using this application, the Amiga can now process and transfer sound files to other platforms. This utility allows Amiga users the same freedom with audio that they have enjoyed with graphics for some time. I want to thank Shamms for discovering this product and reviewing it so quickly.

## Memory Memory

When we first heard of ProvTech's memory expansion for the Amiga 3000, we thought it was a good idea. Installing the AmiFAST 3000 proved not only to be relatively easy, but gave us the opportunity to utilize inexpensive expansion from the PC world in our A3000. This is a procedure I think every A3000 owner should consider.

Dave Farquhar is a brand new *Amazing* author. His first article on stretching your memory to the max is refreshing. It is nice to see that even our older Amigas still have the ability to perform tasks and bring pleasure with limited memory capabilities in a world where other platforms are being measured in multiple megabytes.

## Our Regulars

Not to be outdone, Rob Hays and Dave Matthews have contributed their own expertise in their respective areas. Rob searched the rapidly expanding world of internet tools for the Amiga, while Dave demonstrated the utilities available to augment and personalize your Amiga's WorkBench.

## Amazing Authors

*Amazing Computing* has always benefitted from the intelligence and the generosity of its authors. These Amiga users believe in the Amiga platform, and they have helped AC provide its readers with the best the Amiga is capable of doing. I sincerely believe that the work of these people has not only helped *Amazing Computing*, but it has provided help to the Amiga as well.

Our continued effort to bring our readers the changing world of the Amiga computer relies totally on this army of individual users. As always, we are searching for more people to continue and expand this effort. If you are interested, send an e-mail to me at DonHicks@aol.com or write to me at the magazine.

## QuikPak Bids for the Amiga

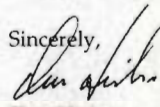
I have intentionally pushed any comment about the sale of the Amiga to the last part of this column. While we are all excited by the opportunity that QuikPak is offering the Amiga community, most Amiga users are so shell shocked by now that they are having difficulty believing this sale will ever occur.

I can tell you that the individuals I have spoken with at QuikPak are not only 100% involved in getting this sale completed, they believe they can do great things in the Amiga market. The only problem, and this bears no ill reflection on QuikPak, is that we have all heard this before.

I hope QuikPak can get the sale completed. As I said last issue, the trustees are against the wall, they must sell the Amiga to someone soon. As Amiga owners, we want that someone to be focused on the Amiga.

I know that whenever someone actually secures the Amiga, they will get a swarm of messages and phone calls with suggestions. You can be assured that I will be among those calling. The Amiga is an important market, not only for the people who are in it or for the opportunities that have been lost under the control of other companies, but for the reasons seen above and in this issue. The Amiga has always offered diversity and potential—the computer industry needs these alternative abilities now more than ever.

Sincerely,



Don Hicks  
Managing Editor

# Amazing / AMIGA

COMPUTING

*Amazing Computing/AMIGA™*

## ADMINISTRATION

**Publisher:** Joyce Hicks  
**Assistant Publisher:** Robert J. Hicks  
**Intern:** Nicholas H. Pacheco  
**Circulation Manager:** Doris Gamble  
**Traffic Manager:** Robert Gamble  
**Production Manager:** Ernest P. Viveiros

## EDITORIAL

**Managing Editor:** Don Hicks  
**Hardware Editor:** Ernest P. Viveiros  
**Illustrator:** Scott Brown  
**Contributing Editor:** Shamms Mortier

## AMAZING AUTHORS

Randy Finch Rob Hays  
Marc Hoffman Dave Matthews

1-508-678-4200, 1-800-345-3360,  
FAX 1-508-675-6002  
<http://www.pimpub.com>

*Amazing Computing/Amiga™* (ISSN 1053-4547) is published monthly by PIM Publications, Inc., P.O. Box 2140, Fall River, MA 02722-2140. Phone 1-508-678-4200, 1-800-345-3360, and FAX 1-508-675-6002.

U.S. subscription rate is \$29.95 for 12 issues. Subscriptions outside the U.S. are as follows: Canada & Mexico \$38.95 (U.S. funds) one year only; Foreign Surface \$49.97. All payments must be in U.S. funds on a U.S. bank. Due to erratic postal changes, all foreign rates are one-year only.

Second-Class and Periodical Postage paid at Fall River, MA 02722 and additional mailing offices.

**POSTMASTER:** Send address changes to PIM Publications Inc., P.O. Box 2140, Fall River, MA 02722-2140. Printed in the U.S.A. Entire contents copyright © 1997 by PIM Publications, Inc. All rights reserved. No part of this publication may be reproduced without written permission from PIM Publications, Inc.

Additional First Class or Air Mail rates available upon request. PIM Publications, Inc. maintains the right to refuse any advertising. PIM Publications, Inc. is not responsible for the claims, content, and/or policies of any advertiser or advertisement.

PIM Publications Inc. is not obligated to return unsolicited materials. All requested returns must be received with a self-addressed stamped mailer.

Send article submissions in both manuscript and disk format with your name, address, telephone, and Social Security Number on each to the Associate Editor. Requests for Author's Guides should be directed to the address listed above.

AMIGA™ is a registered trademark of  
Amiga Technologies GmbH

Distributed in the U.S. & Canada by  
International Periodical Distributors  
674 Via de la Valle, Ste 204, Solana Beach, CA  
92075  
&  
Ingram Periodicals Inc.  
1226 Heil Quaker Blvd., La Verne TN 37086

**Printed in U.S.A.**



Since 1982

# SELECT SOLUTIONS



**OPEN SATURDAY!**  
M&M's are registered trademarks of Mars Inc.



REDUCED PRICES

3 Button Crystal Trackball	\$29.00
Toaster Handler	59.99
HP Scanjet IIC Driver for ADPro	29.00
DataFier 270MB IDE SyQuest A4000	199.00
Gamesmith	49.00
Octagon2008 SCSI2 Controller	79.00
3DROM Volume 1 CD	44.00
Solar System Kit CD	82.00
25 MHz 68040/25 CPU Chip	129.00
CD1200 Plus PCMCIA CDROM Controller	32.00
Imagine 3.0 PAL Version	119.00
iCard PLUS PCMCIA	224.00

## AMIGA PRODUCTIVITY

AmigaDOS v3.1 AS312/320/330/340	\$149.99/119.99/139.99/135.99
AmiTCP/IP v4.2	87.99
AsimCDFS v3.6	59.99
AWEB II 2.1	41.99
CrossDOS v6.0	42.99
CrossMAC	69.99
Directory Opus v5.5	87.99
Enlan-DFS v2.0	149.99
GPFax	59.99
IBrowse	41.99
Master ISO v1.23	135.99
PageStream v2.2 SE	39.99
PageStream v3.0	159.99
SAS C++ OEM	29.99
Squirrel Zip/Jaz Tools	24.99
Termite TCP	59.99

## AMIGA GRAPHICS SOFTWARE

Broadcast Title II Super HiRes	\$189.99
Brilliance v2.0	109.99
Caligari 24	129.99
Cinema 4D	299.99
Imagine v3.0 NTSC/PAL	199.99/209.99
Main Actor Professional	69.99
Main Actor Broadcast	259.99
Real 3D v3.3	395.99
Universal 3DCD	119.99
World Construction Set v2.0	399.99

## GRAPHICS HARDWARE

CD-1401 14" Multiscan Monitor	\$569.99
Cybervision 64 3D Graphics Card	CALL
Digimax 3D Object Digitizer	599.99
Personal Animation Recorder DR2150	1699.99



21 high res. LightWave models designed for high quality rendering.  
**Movie Models by High Desert Digital \$169\*\***

## A4000 TOWERS

Stripped or loaded, we have your system. In stock and ready to ship!

**New Low Price! CALL**

## Video Toaster 4.1

Free Complete Post Production Manual with Toaster 4.0 or Toaster 4.0 Upgrade!

This is the time to buy or expand your Toaster/Flyer system. Call us for pricing & information on the hottest non-linear editing system in the world. Be prepared for a giant leap forward in video technology.



**Video Toaster 4.1 Upgrade by Newtek \$1999\*\*/499\*\***  
**Video Toaster Flyer by Newtek \$3999\*\***

## LIGHTWAVE 3D

No other 3D package offers this much power and flexibility at such an affordable price. Emmy award-winning LightWave 3D combines a user-friendly interface with an extensive set of features.

Call for our extensive list of LightWave 3D plug-ins!

Catch LightWave special effects in:

The X Files • Jurassic Park • Star Trek • Mars M&M  
Space: Above and Beyond • Robocop • The Simpsons

**LightWave 3D 5.0 Newtek \$1099\*\***

NEW LOW PRICE!



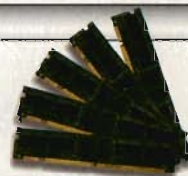
**World Construction Set 2.0**, lets you create stunningly realistic landscapes. Create terrains from Earth, other planets or worlds entirely from your imagination!

**Image FX 2.6** Every tool you need to create & manipulate high quality images is right at your fingertips. Preview effects on thumbnails & work w/ an unlimited # of image buffers!

**World Construction Set 2.0 by Questar \$399\*\***  
**Image FX 2.6 by Nova Design \$239\*\***

## MAXIMIZE

your Amiga RAM at the lowest prices in history! Call us for details!



## UNBELIEVABLY LOW PRICES

for a complete Toaster/Flyer Amiga system!

## GRAPHICS HARDWARE CONT...

Personal TBC IV VT2600	\$799.99
Personal VScope VM2000	769.99
Picasso II Plus 2MB 24-bit Graphics Card	349.99
RooGen Plus	195.99
Vidi Amiga 24RT	209.99
Vidi Amiga 24RT Pro	309.99

## AMIGA PERIPHERALS

1202 0KB No FPU for A1200	\$129.99
3128 0KB for A3000/4000	239.99
AMTRAC Trackball	64.99
Blizzard A1200 060 50MHz Accelerator	769.99
Blizzard A2000 060 50MHz Accelerator w/ SCSI	879.99
Cobra A1200 030 40MHz Accelerator	219.99
Cyberstorm Mk II A4000/4000T 060 50MHz Accelerator	899.99
DataFier CD-XDS IDE CDROM Chassis	79.99
DataFier 1200S SCSI+	89.99
DataFier 2000S SCSI+	84.99
DataFier 4000S SCSI+	99.99
Ferret A1200 SCSI for Cobra/Mongoose	90.99
HighFlyer Expansion Chassis w/ Power Supply	389.99
MegAChip w/2MB Agnus (NTSC)	229.99
Rapid Fire SCSI-2 Controller RAM 0KB	139.99
Surf Squirrel SCSI w/ Serial	139.99
Warp Engine A4000/4000T 040 40MHz Accelerator	979.99
Wizard Mouse (3 Button, beige/black)	29.99

## SELECT SOLUTIONS, INC.

P.O. Box 6512 Champaign, Illinois 61826-6512

**THE AMIGA IS ALIVE!**

New products are shipping on a regular basis. Call our sales representatives any time for the latest!

**SAME DAY SHIPPING!**

Orders on in-stock items placed before 6PM CT (Monday-Friday) are processed and shipped out that same day.

**INTERNATIONAL ORDERS WELCOME!**  
We speak many languages...Spanish, German, Dutch, Bahasa Indonesia, and others.

**800-322-1261**

**Customer Service: Mon. - Fri. 9am-5pm CT**  
**Sales: Mon. - Fri. 8am-10pm & Sat. 8am-7pm**

**Customer Service: 217-355-2785**

**24 Hour Order Fax: 217-356-4312**

**Internet Orders: solutions@dvideo.com**

**International Sales: 217-355-2785**

**SELECT SOLUTIONS INC. POLICIES:** VISA, MasterCard and Discover accepted. No surcharge on credit card orders. Credit card is not charged until order ships. \$5.00 COD fee, cash only. Prices are subject to change without notice. Call for current pricing. We are not responsible for typographical errors. 15% restocking fee for items returned and not exchanged for same. Customer is responsible for return shipping. Returns accepted for 10 days after invoice date. SHIPPING: 0-5 lbs. \$5.00, 6-20 lbs. add \$1.10/lb. over 5 lbs. over 20 lbs. add \$0.60/lb. over 20 lbs. Rates apply to orders shipped in the continental US only. Canadian orders add \$5.00. For your protection we check credit cards thoroughly. (ACM8703)

Circle 115 on Reader Service card.



# FEEDBACK

## "We can support ourselves and new Amiga users..."

Dear AC,

We've been hearing a lot how the Amiga is going down the toilet. I guess it all depends upon which propaganda you believe. It's times like this that make me miss "the Bandito" column in your old issues. I'm not prepared to listen to the rantings of X-Amiga users turned Wintel drones or the hype from company PR men trying to buy the rights to the Amiga technology.

Amiga users want to look toward a corporate savior that will take the Amiga and really do something with it. Unfortunately, it has always been the users that have done something with their Amigas. All we can hope from a corporate buyer of the rights to the Amiga is that they will continue to manufacture and R&D future Amigas. We, as users should be able to take care of the rest.

What we can do is so simple, we have done this many times before. We can support ourselves and new Amiga users by continuing to support our local users groups as well as local Amiga dealers. We can support future development by not pirating software, mailing out our shareware checks and to buy new Amiga products.

We can help promote the Amiga by simply writing letters to computer magazines or the producers of computer shows on TV, respectfully requesting more coverage of the Amiga platform and then, thanking them with a letter when you see such coverage. That way the Amiga name gets seen twice. Another way of getting better Amiga coverage is to write reviews and articles ourselves. We all have a favorite Amiga program that we use most of the time when we're on our Amigas. Why not share our experiences with others? We can also encourage Amiga companies to advertise in magazines like "Amazing."

Finally we can simply try to get the most from our computer, whether that's creating the best graphic or animation, learn more about video work with your local cable access company, or simply getting onto the Internet. We need each other to help the Amiga grow. Let's not just sit on our hands hoping that somebody else will make the Amiga become prosperous.

Just my two cents,  
Rick Rudge

*Two cents that makes a lot of sense. Thanks,  
Rick.*

Dear AC,

Pleased to receive and review the January '97 AC in which is highlighted the Phase 5 concept next-generation Amiga. It doesn't seem that anyone can do anything with the Amiga in any fashion until ViScorp has settled their accounts with Escom (Unfortunately, I was under the impression that ViScorp had already found favor in the German courts, and passed through Escom's receiver's gauntlet. Shows you how wrong I can be). Since there is little, if anything that can be done until ViScorp is granted sole guardianship of the Amiga, then Phase 5 is just exercising. I mean, it sounds way too good to be true; and we all remember what we've learned about anything that sounds too good... it probably is. Make no mistake, if they come through with most features intact as described in your article, then I'm hocking everything to get one. They certainly sound like they are on the right track. The Amiga has placed itself squarely in the center of the Video Non-Linear Editing fray where on one side is V-Lab Motion (JPE), then the proprietary NewTek (VTASC) and the PAR Card. Only lacking a stand-out MPEG-based card to counter the Wintel and Mac representatives. The A/box, if they're serious, ought to do all the Amiga is currently doing, as well as all of what those other machines are currently doing or are ever going to do. A further question is: "How is this machine going to be placed against the latest and planned for SGI boxes?" I recognize the good people from Phase 5 will have to provide the pertinent details, themselves; but I do wonder how the Amiga is going to be represented in the marketplace, here at what appears to be the end of its pioneer days. Mr. Phase 5 indicates that the PowerPC 603e and 604e chips will be their processing engines; this is comparable with Mac's first and pseudo-second generation PowerMacs. Only, they're now tooling up for the 704e chip reportedly capable of over 500 MHz of cranking power. I'm of the belief that you gotta walk the walk if you're gonna talk the talk, meaning that: as good as the move to the PowerPC 603e & 604e will be (over the current '040 and '060 chips), you risk-nay, you ARE starting behind and at a deficit. Aren't we at a deficit already? Perhaps we could influence Phase 5, through your (AC) good offices, to consider original tooling to include the 704e chip as the high-end machine; drop the 603e, and use the 604e as the entry-level chip-if indeed they plan to

ULTRA HIGH RESOLUTION

# 4x5

COLOR TRANSPARENCIES

# 35mm

COLOR SLIDES

from ALL Amiga Computer  
& Video Toaster Graphics

• 4000-line Film Recorder Resolution •  
• NO Scanlines • Brilliant Color •

Call or Write for order form, price list,  
and FREE sample slides:

**HAMMOND PHOTOGRAPHIC SERVICES**

4301 N. 75th Street, Suite 101B

Scottsdale, Arizona 85251

**(602) 949-6066**

Circle 103 on Reader Service card.

produce a machine as outlined. Use the 603e on an accelerator board for backward compatibility to the A3000, A4000, and A1200. Come to think of it, SoftLaw indicated earlier this year that they were working on a PowerPC accelerator for Z3 bus machines. What happened?

Thanks for listening. It was cathartic to vent my feelings this way. Please let me know how you feel, I'd appreciate it.

Thanks,  
Randy K. Stanard

*Unfortunately, your letter was mailed before ViScorp dropped out. Now QuikPak is doing their best (see the letter on page 48) to secure the Amiga's future development.*

Please Write to:

**FeedBack**

**c/o Amazing Computing**

**P.O. Box 2140**

**Fall River, MA 02722-2140**

Catch the Cyberwave with Air Mail™

A full featured E-mail program  
for the Amiga.

- Runs on any Amiga with WB2.0 or higher
- Install and configure in 5 minutes
- Intuitive User Interface
- Supports AmiTCP, Miami and TermiteTCP
- Create address book and user groups
- Unlimited custom folders
- Unlimited filters
- Automatic encoding and decoding of files
- Supports external and internal editors
- Supports multiple email accounts
- Mail spooling for offline reading
- Speech and sounds for mail notification
- Forms. Very cool

For introductory offer

**Air Mail v4.0 \$40.00 US + shipping**

**Toysoft Development Inc.**

Phone: 1-403-680-1656 (9am - 6pm mst)

Email: [toysoft@spots.ab.ca](mailto:toysoft@spots.ab.ca)

WWW: <http://www.spots.ab.ca/~toysoft>

Circle 143 on Reader Service card.



Terms and Conditions: Call for complete shipping rates, warranties, and other policies that apply. Quantities are limited and prices are subject to change without notice. Anti Gravity Products (AGP) accepts COD orders payable by cashier's check only. Payment must accompany all purchase orders. We are able to offer quantity discounts to dealers and system builders. Orders may be paid by Visa/Mastercard. All sales are final. No refunds. Defective exchanges are for same product only and must have a Return Material Authorization number (RMA), be in original packaging, and condition. No guarantees are implied as to product performance with your system or as to manufacturers claims and specifications. A 20% restocking fee applies to all exchanges of unlike products or any orders that are cancelled after shipping. All orders cancelled must obtain a cancellation number. All exchanges are at our option. This advertisement, its contents, and its style are the Copyright of AGP and cannot be duplicated without express written permission. All trademarks are the property of their respective companies.

For A Complete Listing Of The Products You Want Or To Order On-Line; Visit Us On The Web @

<http://www.antigravity.com>

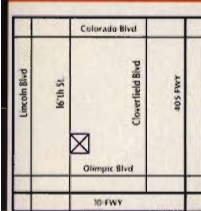
1-800-7-GRAVITY

**ANTI GRAVITY PRODUCTS**

1-800-7-GRAVITY

<http://www.antigravity.com>

1649 16th Street, Santa Monica, CA 90404  
TEL (310) 399-7782 FAX (310) 399-8262



## NEW STOREFRONT LOCATION

Come To Our New Storefront Location @  
1649 16'th Street, Santa Monica, Ca 90404

## NEW TELEPHONE NUMBERS

Sales Order Line: 800-7-GRAVITY  
Sales FAX Line: 310-399-8262  
Service Center: 310-399-7446  
Customer Service: 310-399-7782

**FLYer Factory!**  
Build The FLYer Of Your Dreams !!!

### FLYer System-1296A \$11,685

A4000T/25MHz-040/18MB Ram/1.2GB SCSI-2 HD/  
FLYer/Toaster/TBC IV/  
Hanger 9-Bay/  
Two 4GB FLYer HD's and 4X CDROM/ASIM

AS LOW AS  
\$275  
A MONTH

### FLYer System-1296B \$12,485

A4060T/50MHz-060/18MB Ram/1.2GB SCSI-2 HD/  
FLYer/Toaster/TBC IV/  
Hanger 9-Bay/  
Two 4GB FLYer HD's and 4X CDROM/ASIM

AS LOW AS  
\$295  
A MONTH

### FLYer System-1296C \$14,985

A4060T/50MHz-060/18MB Ram/2.1GB SCSI-2 HD/  
FLYer/Toaster/TBC IV/  
Hanger 9-Bay/  
Two 9GB FLYer HD's and 4X CDROM/ASIM

AS LOW AS  
\$365  
A MONTH

**ANTI GRAVITY HANGER™**  
Anti Gravity Hangers are external expansion cases for the FLYer! They Feature High Wattage Power Supplies, Cooling Fans, Individual SCSI-ID selects, FLYer SCSI-2 Ports,  
Hanger Model BAYS Watts Fans IDs Ports The AGH-9 7 2 300 3 7 3 YES AGH-9 9 9 300 3 9 3 YES  
7 BAY ANTI GRAVITY HANGER \$345  
9 BAY ANTI GRAVITY HANGER \$395

## NEWTek

### LIGHTWAVE 3D

Upgrade From 4.0  
\$295  
AS LOW AS  
\$995\*  
PRICE DROP!  
Get Lightwave 3D  
Amiga, Intel, or Alpha  
for ONLY  
\$995\*  
\*Call for Details

**Co-Pilot Video** \$85  
**Co-Pilot Audio** \$85  
OZware presents Co-Pilot two powerful new sets of editing tools that provide innovative controls and expanded methods for piloting the Video Flyer editing system.

**Co-Pilot Audio**  
Break the sound barrier & unleash your flyer's audio with:  
Lead Mix- Lowers the levels of any audio that's playing under selected clip(s).  
Music Mix- Adds automatic swells & fades into your music, around sound other clips features "Envelope" style control.  
Sound Type- Classify sound clips for group audio mixing (i.e. narrations, music, sound fx etc.)  
Road Signs- Powerful new audio cutpoints to keep changes in sync. Fast buttons to built, blend, cut, find, force, link locate, mark, push, and more.

**Co-Pilot Video**  
Accelerate your flying and tackle tricky maneuvers with:  
Automatically builds projects from a folder of clips.  
Disk Recorder- Start recording to hard drive with full access to:  
Toaster controls (keys, overlays, half way settings etc.)  
Find unused clips, missing clips. Wasted footage, key word search, etc.  
Reset or adjust clips that are locked to program times.  
Pick Lock- Render- Converts CG pages directly into Flyer stills faster.  
Real Cut/Copy/Paste commands, Highlight pick, Highlight range, extra keyboard controls...and more.

**PhotoCD \$35 Manager**  
**Texture \$25** with Heaven 1&2  
**ASIM \$75**  
**Audio Thunder \$185**  
**Master ISO \$145**  
**QuickPack-060 \$795**

When You Need Speed Don't Get a \$86 or \$86! You Need To Get Alpha Speed!  
**RENDERSAURUS**  
**RENDERSAUR - BS433A DEC Special \$4495**  
Base System: 433MHz Alpha AXP 21164A CPU / 1MB of Cache  
**RENDERSAUR - BS500A DEC Special \$5495**  
Base System: 500MHz Alpha AXP 21164A CPU / 1MB of Cache  
**RENDERSAUR - BS275A \$3695**  
Base System: 275MHz Alpha AXP 18644 CPU / 2MB Cache

**Windjammer \$1395**  
The FASTEST GROWING video editing RAID 0&1 controller SUSTAINS data rates in excess of 13 MB/s SCSI FAST & WIDE  
• Works with the Video Flyer  
• Use Non Flyer Harddrives  
• Frees workstation resources for other tasks  
• Increases workstation throughput  
• Single host adapter can now support multiple devices  
Requires fewer cables increase system MTBF

**AMIGA A 4000T**  
NEW! 50MHz-060 SYSTEMS NOW IN STOCK!  
**A4000T SYSTEMS with SUPER SOFTWARE BUNDLE**  
Photogenics 120SE, Personal Paint 6.4, Organizer 1.1, Wordworth 4SE, Wordworth Print Manager, Turbo Calc 3.5, Database 1.1, Whizz, Pinball Mania.  
**A4000T-25MHz-040/6MB/1.2GB/ & AG Super Software Bundle \$1995**  
**A4060T-50MHz-060/6MB/1.2GB & AG Super Software Bundle \$2795**  
**A4060T-50MHz-060/6MB/2.1GB/ & AG Super Software Bundle \$2945**

**PARTICLE STORM**  
Particle Storm Amiga (PRE-ORDER) \$195  
Windows Intel Win-NT ALPHA \$275  
**IMPACT!**  
IMPACT! Windows Intel \$385  
Win-NT ALPHA \$475  
Amiga \$245  
**ImageFX \$210**  
Ver 2.6

**mindEYE**  
mindEYE Music Animation System \$275.00  
for cable TV, music videos, nightclubs, and concerts. THE Amiga sound activated visual information device. Patented DSP hardware.

**ANTI GRAVITY LABS**  
**SNAP MAPS: Field & Foliage**  
The SolarSystem Kit contains objects, scenes, images, brushes, & backgrounds for your animation needs. Actual photos from NASA to use as backgrounds.  
**SNAP MAPS: Field & Foliage \$240.00**  
**SNAP MAPS: Building Materials & Fabrics \$240.00**

**AnimWorkshop**  
**PIXEL 3-D \$195**  
Pixel 3D Professional  
**WAVE LINK \$95**  
WaveLink

**CLARISIA \$295**  
Ver 1.0  
**SIAMESE**  
Integrated Amiga & PC with the Siamese System.  
**\$395**

**IMAGEVISION**  
The New An Easiest Multimedia Authoring Tool For The Amiga  
**IMAGEVISION Intro Price \$185**

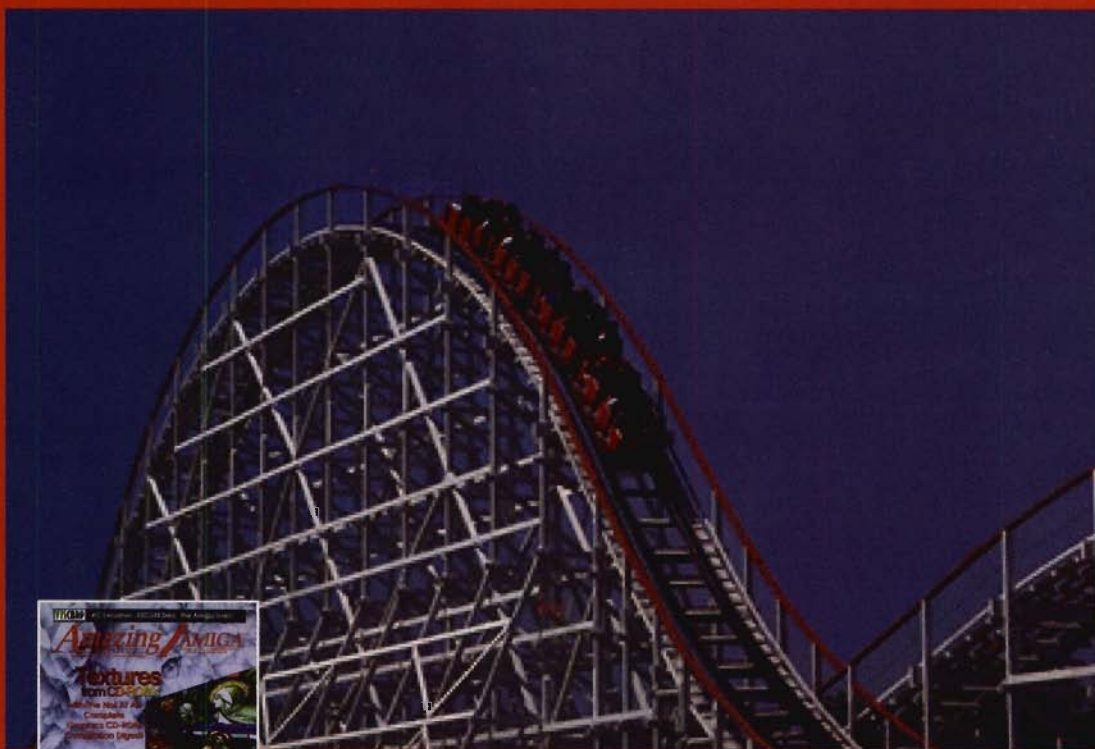
**Pentritrator**  
Don't keep Intel Outside Your Amiga. Put a 586 Processor into Your Amiga with the Pentritrator System Card From Anti Gravity Labs!  
Specifications:  
BUS: 132MB/sec PCI-Bus  
CPU: Pentium 75-150MHz  
ROM: PC104 EPROM  
RAM: Up to 128MB  
Cache: 256K 1MB  
Int. PORTS: IDE & Floppy  
Ext. PORTS: COM1, COM2, PS/2 Mouse, RS-232, Enhanced Parallel  
Slot: Fits in the PCI & ISA bus slot\*\*  
\*Soon for 286/386/486/586 \*\*Requires Expander Bus Card and AGL Tower Case

**Expander Bus Card \$245**  
The ultimate in slot expansion for your Amiga. It gives you 7-Zorro, 2-Video, 4-PCI, 3-ISA slots to your Amiga 4000. Together with the AGL Tower Case it provides a home for the Pentritrator System Card; Or a great expansion device for an over-loaded Amiga 4000.  
**Pentritrator**  
Pentritrator-XX \$ 995  
Pentritrator-75 \$1245  
Pentritrator-90 \$1395  
Pentritrator-100 \$1495  
Pentritrator-120 \$1595  
Pentritrator-133 \$1795  
Pentritrator-150 \$1895  
Pentritrator-755x with:  
Expander Bus Card, AGL-Tower Case \$1895  
**AGL Tower Case**  
The Perfect expansion case for your Amiga 4000 or Video Toaster Flyer System. And A Must for the Pentritrator System Card to add all those PC peripherals. Comes With Expander Bus Card.  
With/Out Power Supply \$640  
With Power Supply \$740

**CONTROL TOWER \$135**  
Soar To New Heights With The Flyer  
**VISUAL FX vol-1 vol-2 \$125 ea.**  
**SURFACE PRO CD FOR LIGHTWAVE \$75**  
Corporate Video Backgrounds  
**DECISION \$195**  
New Flyer & V-Lab Motion EDL generator and VTR controller



# Been following the Amiga market lately?



Then you must have been reading Amazing Computing. AC has been with the market on every rise, fall, twist, turn, and surprising event. Each issue AC not only reviews great products, offers

interesting tutorials, and brings you up to date on everything that is coming and going in the Amiga community, we also delve into the future of the Amiga. AC has followed the course of the Amiga for over ten years. It is the longest running periodical for the Amiga and it is your best opportunity to know just what is happening in the market, before you are taken for a ride.

To climb on board just call toll-free in the US and Canada

1-800-345-3360 or complete the form and send it with check, money order, or credit card information to Amazing Computing, PiM Publications Inc., P.O. Box 2140, Fall River, MA 02722. FAX is available at 1-508-675-6002.





**Personal Paint 6.4,  
Storm C, Audio Thunder,  
and more new products  
are now available**

# NEW PRODUCTS

*and other neat stuff*

## SoftLogik

SoftLogik has announced that Personal Paint 6.4 OEM is now available. This version is identical to the original release of Personal Paint 6.4, but is now available at a savings. Personal Paint 6.4 is an easy-to-use paint program that comes with effects and animation capabilities. Paint features included with the program are line, ellipse, rectangle, polygon, freehand, Bezier curve, fill and spray tools. Personal Paint also features multiple clipboards, multiple undo and redo, built-in virtual memory, gradient fills, and alpha channel. Personal Paint supports AmigaOS datatypes, JPEG, PCX, PNG and other image formats. It requires at least 1 MB of memory and AmigaOS 1.3 or later, but does not require a hard drive. The 6.4 OEM version is now available worldwide by SoftLogik at a suggested retail price of \$30. Personal Paint 6.4 OEM can purchase an upgrade to the latest version of Personal Paint 7.0 for only \$70.

SoftLogik has also announced that PageStream version 3.1 is currently shipping. This upgrade sports an improved interface and a few new features. These new features include bitmapped fills, smart quotes and dashes, find/change text and much more. In addition, SoftLogik further announced that PageStream 3.2 is now ready. PageStream 3.2 for Amiga is \$35 for owners of PageStream 3.0 or 3.1 for Amiga. New features included in this upgrade are a configurable toolbar, show/hide toolbar, eyedropper tool, hanging indent button, default tab spacing, and much more. Matching script commands have also been added for these features.

## SAFE HARBOR

Safe Harbor has announced that the award-winning C compiler, StormC, is now available. StormC is an integrated programming package containing the tools needed to create Amiga programs. It includes many extra features not found on other compilers, and the visual project manager controls every part of your project down to the last detail.

*The press releases and news announcements in New Products are from Amiga vendors and others. While Amazing Computing maintains the right to edit these articles, the statements, etc. made in these reports are those of the vendors and not Amazing Computing.*

Also, Safe Harbor has announced that ArtEffect 1.1 is finally available in the United States. It can be used to unite image processing and painting under one easy to use, productive interface. It includes over 30 effects, numerous filters, tools and surfaces, all completely controllable. It helps the user to create the result he or she desires.

drawSTUDIO is the premier structured drawing, illustration and presentation package for the Amiga. The program includes many professional features, and drawSTUDIO is ideal for creating technical drawings, adding graphics to web pages, or for use with other Amiga programs.

Finally, Safe Harbor is also pleased to announce three new products from MacroSystem. First, MacroSystem announced the unveiling of their new Jog Shuttle Device. The device has a "buttons and keys" type interface panel and connects to the serial port on any Amiga. Requires MovieShop 4.1, now shipping. List price \$399.00.

Secondly, there are new FX disks for MovieShop 4.1 as disks 4 and 5 are now available. They include new wipes and effects from the simple to the most sophisticated. Included are some 2D effects, "old film" effects (complete with crackles and scratches) and image processing operators.



### AmiFAST 3000

**ZIP to SIMM Adapter \$89**

Distributors

US - Micro-Pace (217) 356-1884

Canada - Amazing SW&Acc

(800) 847-3315

Dealers

Wonder Computers, Zipperware,

Magic Page Products, On Video

Clackamas Computers

Contact your local dealer!!

**AmiFAST II\* - Mar. '97**

\* for 2386 BB and 2008 IDE

See you in St. Louis for the

Gateway Computer Show

Amiga 97 !!!

**ProvTech**

Ph. (812) 254-1721

FAX (812) 257-0902

E-Mail: 75507.3170@compuserve.com

Circle 134 on Reader Service card.



# Custom VistaPro Animations

Chaocity is now offering its expertise with VistaPro with a new service to provide commercial VistaPro animations at customer specifications. Flyovers, flybys, morphs, backgrounds and more. We can provide animation paths or work with customer paths. We can provide DEM data where available or use customer data. (We can also work from paper topo maps to create DEMs for an additional fee.) Animations provided in MPEG, ANIM, AVI or FLC format. Additional charge for output to videotape.

*Price varies with length and complexity of animation.*

*Leave a message with our answering service, and I will get back to you. (Evening or morning preferred as I work nights and sleep in the daytime.)*

## DISTANT SUNS 5.01 DESKTOP PLANETARIUM CD-ROM

### Your Spaceship Awaits!

- 1500 16 color & 256 color IFF images
- Megabytes of 32 color & 256 color anims
- 16 million star Hubble Catalog
- 3-D planet rendering
- View images in 256 colors on AGA capable Amigas
- Display night sky from 4713 BC to 10,000 AD
- Add your own comet and asteroid data
- Comet Hyakutake and Hale-Bopp data included

AmigaDOS 2.04 or newer, 2 megs RAM & hard disk required. NTSC and PAL versions available.

*Special price held over - \$49.95 (Reg \$99.95)*

*Call for special upgrade prices.*

## Tour of Mars - CD-ROM

An animated tour of the Red Planet as seen by VistaPro. Fly over the cauldern of Olympus Mons, down Tithonium Chasma, soo Noctus Labyrinthus terraformed, fly around Ascreaus Mons and much more! Animations in both HAM and HAM8 for use with ALL Amigas! Renderings done with alpha version of VistaPro 4.0. Animation viewer included.

**\$29.95**

## Chaocity

221 Town Center West #259  
Santa Maria, CA 93454 USA  
(805) 925-7732 (answering service)  
(805) 928-3128 (FAX)

See Chaocity on the World Wide Web...  
<http://www.chaocity.com>

Visa, Mastercard, AMEX & Discover welcome.  
Call, FAX or write for free newsletter.  
Dealer inquiries invited.

Lastly, MovieShop 4.1 is now shipping. It comes with a completely redesigned GUI and a new English manual with many pictures. It includes many timelines that can be loaded and saved; scenes can be inserted or replaced, and multiple timelines can be opened and scenes copied between them. This 3 disk upgrade is available only from Safe Harbor Computers. All three new products from MacroSystem are distributed in North America by Safe Harbor Computers, and dealer inquiries are welcome at 1-800-544-6599.

## NATIONAL AMIGA

ARCH Computer Technology and National Amiga has joined forces to create a new company to help serve the Amiga community. The company will be called ARCH Tech Incorporated, and will be handling all hardware and software development. National Amiga will continue to be the retail and mail order, with a 2600 square-foot location including Canada's largest Amiga service center capable of servicing all Amigas. They have also recently re-vamped the web page (located at [www.nationalamiga.com](http://www.nationalamiga.com)) to provide ease of use and a great deal of support for products.

The most popular selling items at the AmigaFest show in Toronto (at which National Amiga hosted successfully the largest booth along with a new software development company called Auroraworks) were accelerators and Internet related utilities. Finally, National Amiga would like to thank Amazing Software and Randomize for hosting AmigaFest '96 as well as all the people who attended making it an astounding success. National Amiga is located at 111 Waterloo St #101, London, Ont, N6B 2M4. Their phone is (519) 858-8760, and their fax is (519) 858-8762.

## QuikPak Accelerators

QuikPak has released two new accelerators based on the 060 microprocessor from Motorola. One device is specifically for the Amiga 4000 Tower and the other has been designed for the A3000 and A4000 desktop computer.

The A4060T accelerator brings the power of an 060 to your A4000 tower computer. The 50MHz 060 processor outputs a high performance of 82MIPS, increasing the speed of your A4000 tower at least 4x. Now A4000 Tower users can add more memory to their system via the 4 72 PIN Simm sockets (EDO ram capable) on the accelerator for a maximum of 128MB. The A4060T promises to cut rendering times down to seconds and increase overall system performance. The A4060T accelerator is \$999.00 U.S. There is also an optional SCSI-II WIDE controller.

QuikPak has a special offer. Amiga 4000 Tower owners can trade in their old A3640/25MHz to receive an A4060T accelerator for \$749.00 U.S. To qualify for trade-up, the Amiga user must return a functional Tower '040 CPU card along with proof of purchase.





**When it comes to all-in-one professional video editing, it's the hands-down winner.**

The Emmy winning Video Toaster™ from NewTek is the desktop video production system that puts everything you need for professional, broadcast quality video right within reach.

It delivers "must-have" features like 4-input video switching, character generation in 100 Postscript™ fonts and over 300 effects, not to mention 2D and 3D graphics tools. But it's also packed with extras. Like the ability to insert video clips into LightWave 3D animations. CD quality audio. The ability to overlay animated video transitions across the screen in real-time. Easy drag and drop control. And the most reasonable price tag in the business on a system comparable to those costing \$50,000 or more.

But to really make the Video Toaster hum, we created the Flyer...the tapeless, nonlinear

editing powerhouse that revolutionized video editing. There are no bulky, multi-machine systems. No plodding off-line studio. No botched up editing. Nothing but you, the Flyer and the fastest means of getting from rough to finish without losing a bit of quality.

Which is why, from prime time broadcast to local news programming, corporate films to event videography, Video Toaster Flyer is in the picture.

To see why, call: **1-800-TOASTER**. Outside the U.S., call: 913-228-8000. Or check out our web site at: [www.newtek.com](http://www.newtek.com).

Circle 140 on Reader Service card.

**NewTek**  
INCORPORATED



## Gateway Computer Show - AMIGA 97

Saturday March 15, 11 AM - 5 PM, & Sunday March 16, 11 AM - 4 PM

Come to the largest Gateway Amiga Show to date. It's so big, we moved it to the ballroom of the Harley Hotel in St. Louis (Earth City), MO. Don't miss this fantastic Amiga event! The best Amiga companies are exhibiting, and more are signing up each week. We've made it easy for you to come. Get special airfare rates through TWA, and Best Way Travel. Call 1-800-325-4942. You can get special hotel rates too. Call the Harley at 1-800-321-2323. Just mention the show to get these special rates.

Meet Amiga luminaries: Jason Compton, Dale Larson, and others. Jason will hold a live conference on the internet. Take a class from NewTek or one of our other instructors. Win one of the great door prizes. Come, make & meet friends. You'll have a ball.

Companies exhibiting, as of 1-9-97, are listed below.

*Intangible Assets Manufacturing, Oregon Research, SoftLogik Publishing, Inc., Amiga Report Magazine, QuikPak, Nova Design Inc., Silent Paw Productions, Wonder Computers, NewTek, Compuquick Media Center, MoneySmart-Grafica Software, Amazing Computing Magazine. More are signing up each day.*



Single day admissions ..... \$10  
Two day (advance purchase) ..... \$15 (best buy)  
Saturday evening Dinner ..... \$30  
Classes ..... \$30 each

*Make your checks payable to: Gateway Amiga Club, Inc.*

*Mail checks to: Gateway Amiga Club, Inc.*

*c/o AMIGA 97*

*P.O. Box 811*

*Bridgeton, MO 63044 U.S.A.*

Please enclose a self addressed, stamped business envelope.

For the latest information, check out our web page at:  
<http://www.icon-stl.net/~jwwilson/GAC/show.html>

### A4060D Accelerator

With the A4060D Accelerator, Amiga users can add the power of an 060 to any Amiga 3000/4000 desktop computer. The 50MHz 060 Sys-Risc Hybrid processor outputs a high performance of 82MIPS, increasing the speed of your Amiga 3000/4000 dramatically. Now memory can be added to the system via the 4 72 PIN Simm sockets (EDO ram capable) on the accelerator for a maximum of 128MB. The accelerator also has a SCSI-II WIDE controller on board. As with the A4060T configuration, the A4060D also promises to cut rendering times dramatically as well as to increase overall system performance. The A4060D accelerator carries a suggested retail price of \$999.00 U.S.

### ASIMWARE INNOVATIONS

Asimware Innovations Inc. has updated and released three Amiga products: Audio Thunder, AsimCDFS v3.7, and MasterISO v1.25.

#### AUDIO THUNDER

Asimware Innovations Inc. has announced Audio Thunder - an audio

format conversion utility. Audio Thunder provides a graphical user interface that can either be launched from Workbench or the Flyer. You will be able to convert from one audio format to another. Simply select the source file, choose the desired format and convert. Choose multiple source files for a time saving batch process.

Preprocessing options include: resampling, cuts, mono to stereo fusion, and multiple clip time sequencing. Audio Thunder allows you to import and export any of the following audio formats: Compact Disc Digital Audio, MAUD, AIFF, WAV, Amiga 8-bit 8SVX, NewTek Flyer Audio Clips, and Sunrise Studio16

Audio Thunder also allows you to read directly from Audio CDs. With AsimCDFS, Asimware Innovations' CD-ROM reading package, an appropriate SCSI controller and a CDDA compliant CD-ROM drive, Audio Thunder is able to transfer standard audio CD tracks directly into the Flyer. You get first generation audio samples every time! A completely digital solution.

Combine Audio Thunder with MasterISO, Asimware Innovations' CD-R writing package, and you have a complete CD audio authoring station. Suggested retail price for Audio Thunder is \$99.00 (U.S. Funds) or \$119.00 (Canadian Funds).

#### AsimCDFS v3.7

Asimware Innovations Inc. also announced the release of AsimCDFS v3.7. AsimCDFS v3.7 is a CD-ROM control system which allows the user to read most CD-ROM discs with an Amiga computer and a suitable SCSI or ATAPI CD-ROM drive. The update highlights include: support for Amiga protection bits and file comments; support for new CD-ROM drives, including the Plextor 12Plex, Pioneer 10X, Panasonic 506 and TEAC series; improved Raw Sector volume handling.

#### MasterISO v1.25

Asimware Innovations Inc. also announced MasterISO v1.25. The MasterISO software package allows a user to control a CD-R recorder to create custom CD-ROM and CD-Audio



# CONTROL TOWER

Now Includes  
Over  
200  
Macros!

SOAR TO NEW HEIGHTS WITH  
THE FLYER



With the popularity of NewTek's Toaster Flyer, there are now squadrons of users out there firing up their Toasters and Flying off to exciting new places every day. Control Tower is dedicated to enabling the Flyer to take you farther and in less time by providing a simple, convenient, timesaving interface with tons of options.

As the name implies, with Control Tower you completely control the flight path with Flyer Options such as:

- Compositing Clips (Including Blue Screen Effects)
- Picture In Picture
- Record CG Overlays directly to Clips
- Build Clips From Individual Frames
- Batch Image Process Clips & Frames through ImageFX
- Batch Process Frames To Clips or Stills
- Batch File Conversions
- Build projects and automatically put transitions in between clips
- Run ANY program directly from the Flyer screen
- Globally Change Transition Speeds, FS Lengths, Volume, etc...

...the list goes on and on. Best of all, YOU are firmly in the pilot's seat.

Control Tower accomplishes it's many tasks by using many flexible and powerful Macros & ARexx scripts in conjunction with the Switcher, ImageFX, Toaster Paint, Amiga DOS, and LightWave to automatically process your frames.

With Control Tower you can rest assured that all your Flyer Projects will arrive safely ahead of schedule at the terminal - and your baggage will never end up in Reykjavik.

Flyer 4.1 & Image FX 2.6 or above required for Control Tower.

Come visit our new  
Online Magazine  
for Toaster Flyer &  
Lightwave users at:

<http://www.vionline.com/newtek>

**Visual Inspirations**

809 West Hollywood  
Tampa, Florida 33604  
Phone or Fax: 813-935-6410  
<http://www.vionline.com>

All manufacturers trademarks are acknowledged.

# Visual



You don't have to go all the way to Hollywood any more to get those fantastic visual effects you've seen on the big screen. Now you can have Visual FX premiering on your monitor screen at thousands and thousands of dollars below the cost of those mega-expensive high-end ADO type systems.

You can harness all of the power of ImageFX and begin turning out top notch images and video sequences NOW! No previous ImageFX experience is needed!

For those of you who are already familiar with ImageFX, you have the option to change any of our default settings to meet your needs. Whether you're a beginner or highly experienced videographer, either way Visual FX will give your interactive and video productions all the sharp quality you've come to expect from ImageFX. Visual FX is also perfect for using with the NewTek Flyer, VLAB Motion Board, Draco, PAR, and the Digital Broadcaster Elite.

For those using nonlinear video editing systems, the transition FX are designed specifically for creating transitions between video clips, and the Special FX templates provide fast and easy access to a number of high quality special video effects which are easily modified and manipulated for your needs. Each volume comes with 20 effects, each of which has a full 30 frame preview animation attached to it so you will know exactly what the effect will look like. All you have to do is select what images, sequences, or Flyer Clips you want to use, and Visual FX will do the rest. Our requesters actually open up right on the ImageFX screen and walk you through each step. The User Interface is also designed to allow easy setup of multiple effects for automated batch processing.

Volumes for LightWave also available!  
ImageFX 2.6 or above required for Visual FX.

Circle 145 on Reader Service card.

# Visual Inspirations



## AMIGA 3D & MULTIMEDIA CD-ROMS



**LIGHT-ROM 4**, a 2 CD-ROM set features all new Lightwave objects and scene files. The bonus CD-ROM is 3,000 Jpeg Textures, a \$29.95 value. See below for full description of 3,000 Jpeg Textures CD-ROM.

100% royalty free!

**\$49<sup>95</sup>** + shipping



**LIGHT-ROM GOLD** represents the best of LIGHT-ROM issues 1, 2, and 3 with over 6,000 Lightwave objects and scene files. LIGHT-ROM GOLD was created for those who did not purchase LIGHT-ROM 3. LIGHT-ROM 4 starts over with all new objects than what is found on LIGHT-ROM GOLD.

99% royalty free!

**\$39<sup>95</sup>** + shipping



Imagine PD 3D consists of thousands of Imagine 3D objects created by its Amiga and PC users from around the world using Imagine 1 up to Imagine 4.0. The objects fall into many different categories.

Imagine PD 3D is a multiplatform CD-ROM and will work on any computer platform.

100% royalty free – less than 1 cent per file!

**\$29<sup>95</sup>** + shipping

FOR AMIGA, DOS & WINDOWS/NT



**DEM-ROM** contains over 1,000 digital elevation maps (DEMs) from the USGS for use with Vista Pro, Scenery Animator and World Construction Set. DEM-ROM originally appeared on LIGHT-ROM 3.

**\$29<sup>95</sup>** + shipping



**3,000 Jpeg Textures** covers all categories including Brick, Bumpmaps, Carpet, Cloth, Fabric, Formica, Granite, Images, Marble, Organic, Rock, Stone, Stucco, Tiles, Wood and many others.

100% royalty free – less than 1 cent per texture!

**\$29<sup>95</sup>** + shipping



**Multimedia Backdrops** contains 100 backdrops designed for Desktop Video and Multimedia work in the IFF24, TARGA, and TIFF file formats in NTSC (752x480) and PAL (768x576) resolutions.

100% royalty free – less than 40 cents per backdrop!

**\$39<sup>95</sup>** + shipping

**ORDERS ONLY 1-800-265-4041**

VOICE / FAX – 502-363-2966 ♦ E-MAIL – michael@iglou.com

Hours – 10 am to 10 pm E.S.T. Monday through Friday ♦ Shipping is \$4.95 for U.S. & Canada – \$6.95 International / C.O.D. \$4.50 Extra



**GRAPHIC DETAIL**

**DEALERS, CALL FOR SPECIAL PRICING AND BUNDLING INFORMATION**

GRAPHIC DETAIL INC. ♦ 4556 SOUTH 3RD ST. ♦ LOUISVILLE, KY 40214 ♦ USA



"LIGHT-ROM," "DEM-ROM," "Imagine PD 3D," "Multimedia Backdrops," and "3,000 Jpeg Textures" are trademarks of Graphic Detail Inc. All other trademarks are the properties of their respective companies. Circle 137 on Reader Service card.

discs. CD-ROM discs are formatted in the universal ISO 9660 format, compatible with Amiga, IBM, Macintosh and virtually any other CD-ROM equipped platform. CD-Audio discs are formatted to the Red Book standard and offer universal compatibility with standard CD players. MasterISO v1.25 adds support for the TEAC CD-R50 CD-R drive and the Sony CDU-924 CD-R drive. Support for Kickstart v2.0-based machines has also been included.

Asimware Innovations Inc., 600 Upper Wellington Street, Unit #D, Hamilton, Ontario, Canada L9A 3P9, Tel: (905)578-4916, Fax: (905)578-3966, EMail: info@asimware.com, web site: WWW: http://www.asimware.com

### The AmigaZone is now available via the Web!!

The AmigaZone SIG (formerly on Portal and Plink, and now hosted by CalWeb Internet) now has a World Wide Web interface! If you are an AmigaZone member, you can now access the

AmigaZone's message bases and files via your web browser!

The new webbalized interface is at <http://amigazone.com> (with no "www"). After loading graphics on that page an authorization requester appears. Enter your AmigaZone account and password and you're in! You can then use your browser to read and post to our message bases and newsgroups, see who's online, set your personal prefs (turn frames on and off depending on if you want them or you prefer table displays), and search and download in the file libraries.

The new Zone interface augments, and does not replace the WildCat BBS style inteface at "telnet amigazone.com". And the private FTP site at "ftp amigazone.com" is still available. Your same AmigaZone user ID and password get you into all three.

There are two kinds of AmigaZone accounts available:

- a) a free two-week trial account. Limited to 120 minutes per day, no internet email, and no multiple

simultaneous logins. If you wish to apply for a two week free trial, visit our other web site at <http://www.amigazone.com> (the original Zone page which is still there and will not go away) and read how.

- b) a full registered paid account. \$19.95 per month. Gets you full 24 hour a day unlimited AmigaZone access to our files, messages, live chats, your own amigazone.com email address, and you also get a full unlimited access CalWeb UNIX shell account with 10 meg free storage and web page hosting!

•AC•

### New Product, Industry Announcement?

Send it to: New Products Editor, Amazing Computing, P.O. Box 2140, Fall River, MA 02722-2140, (508) 678-4200, FAX (508) 675-6002



# Flying is a lot easier with a Co-Pilot



Unique video editing tools designed for NewTek's Flyer



## Perfect the art of music mixing with Co-Pilot Audio 1.0

- Automate music levels around narrations
- Prepare a project for foreign translation
- Reveal tricky split audio edits in detail
- Complete multi-layered audio mixing and more...



## Speed up your editing a hundred ways with Co-Pilot Video 1.0

- Remove waste footage
- Find unused clips
- Multiple icons for clips
- Group CG render, and so much more...

"Things are so fast, I'm going to up my editing rates."  
"I'm saving so much time, I now bill by the minute."  
"A killer program."

## New from Aussie!

### Aussie's Fast Frames

Combines sequences of Framestores, CG pages and Effects in realtime with ZERO loading time! Even add a second layer of CG and effects afterwards. Perfect for CG "page builds" and fast-paced collages.

### Aussie's Pro Tools

Handle some professional editing tasks with perfected ease. Now you will enjoy split edits, matched audio and video clips, multi-camera work, and visual cutaway insertion.

# OZware

Please contact your favorite dealer, or call:  
(360) 805-0148 voice, (360) 805-9786 fax  
21230 Meadow Lake Road, Snohomish WA 98290  
[ozware@aol.com](mailto:ozware@aol.com)

Video Flyer & Toaster are registered trademarks of NewTek, Inc.

Circle 130 on Reader Service card.



# The Egyptian Connection

by R. Shamms Mortier

The rich symbol heritage of the Egyptian Hieroglyphics language could be just the thing for your next artistic enterprise.

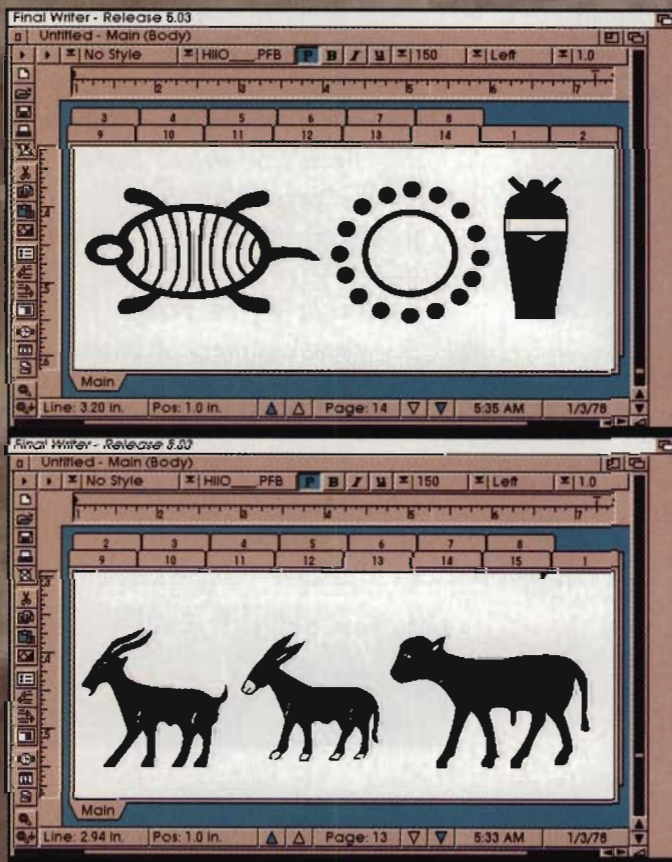


Figure 2. The next step in our translation method is to get the character(s) as large as possible on the word processor screen, either by enlarging the font size or by zooming the page.



Figure 1. The Deniart Hieroglyphic Font is perfect for our 3D explorations. This is a sample of the character as viewed in Final Writer.

Egypt. Is there another country that evokes such mystery and wonder? A history lost in the sands of time. Giant pyramids, the sphinx, Pharonic treasure, mummies, everything about Egypt evokes stories told around campfires. One of the most interesting classes I ever taught was devoted to Egyptian myths, past and contemporary.

In my opinion, Egypt is the perfect subject for a computer artist and animator, since Hieroglyphic language is so filled with the same visual symbols that adorn Her temples and tombs. Egyptian language was originally a pure visual language, and there is some question about the Hieroglyphs as much more than letters in the way we understand them. Like the Chinese ideograms, it is suspected that each of these symbolic characters represented whole volumes of philosophical and religious thought. In our century, in accordance with the work of psychologists like C.G. Jung, it is possible that the very shape of the Egyptian Hieroglyphic characters still evoke specific concepts when perceived in reality or dream.

## Deniart Systems

Do you wish you could use Egyptian Hieroglyphs in your DTP work on the Amiga, just like you use any other font? How about using the same images as the basis for 3D objects in your animation program? Well, you can, providing you get the disk of Egyptian Hieroglyphics from Deniart Systems. The disk comes for both Macintosh and Windows users, and contains several complete hieroglyphic libraries in both the TrueType and PostScript Type 1 formats. The Amiga can read Mac and PC disks when needed, so loading the fonts into your Amiga font library is a snap.



### 3D Continued

If you have been following these articles in the last few issues of *Amazing*, you will recall that we completed a tutorial that demonstrated how to use simple Table graphics from your word processor, and then transform the Tables into 3D "buildings". If you learned to accomplish that feat with a simple Table, then you will be able to do this project as well. Actually, any font object that appears on your word processor's screen can be used as the basis for a 3D object once you learn the method presented here.

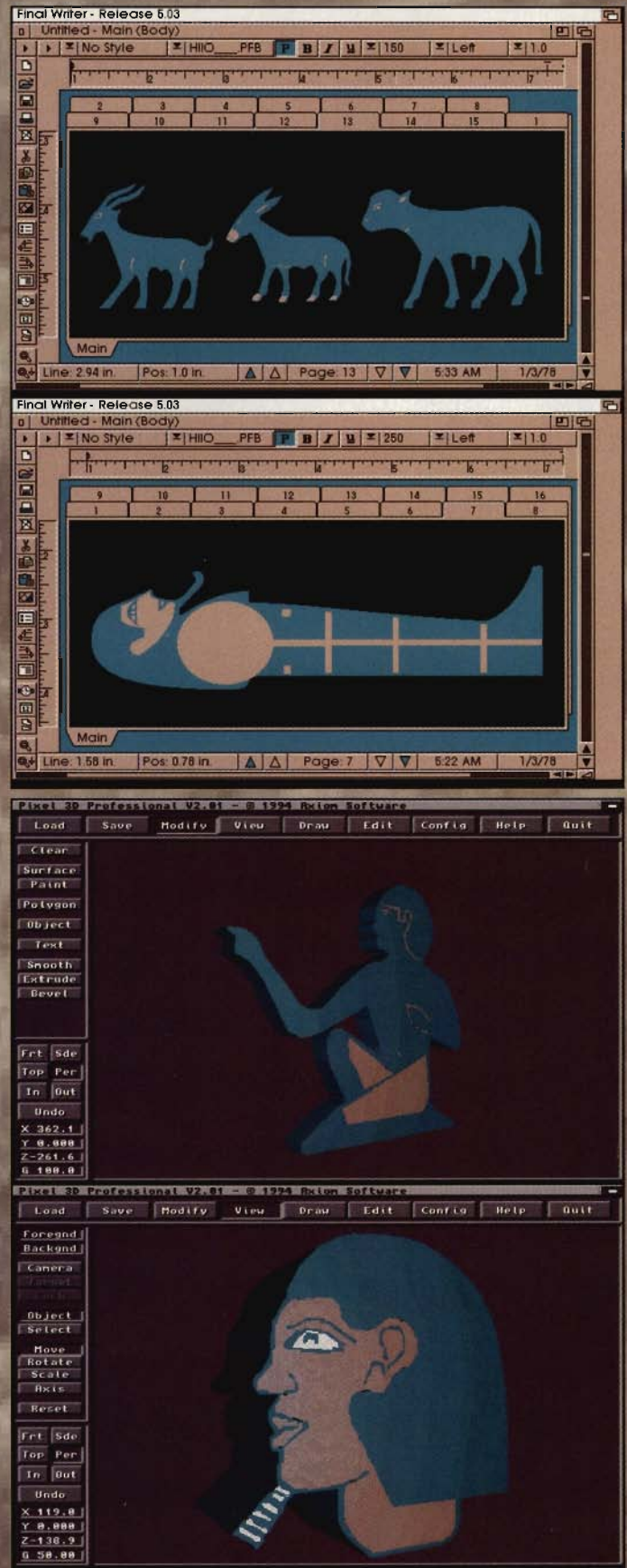
### The Method

We can break the method used to accomplish the necessary 2D to 3D conversions and transformations into a few simple steps. Remember that you can use any symbol in any font as an element in this design method:

1. Select the type face that has the proper characters that you want to translate.
2. In your word processor, type those characters to the screen. Use a size that allows them to fill a viewable page on the screen, and leave a little space between them so you can cut them out later.
3. Use a Grab facility (I use ImageFX's excellent Grab Screen tool) to grab the screen with the character from your selected type face in full view.
4. Open an Amiga paint program of your choice (I use Brilliance) and import the grabbed screen. Now this is very important: Make the background of the picture black, and the other elements whatever color you desire. Save the graphic. The next step tells you why this is necessary.
5. For this step you will need Axiom's PixelPro. Open it, and import the selected graphic you saved out from the paint step. When imported into PixelPro, pure "black" is read as the background color. The graphic will come in without its background, as a 3D cutout. When the smoothing menu pops up, select "yes" and use the defaults. This will even out the pixelated edges of

Figure 3. After grabbing the enlarged figures and saving the file, import them into a paint program. Re-colorize the graphics so the backgrounds are black. Color the other elements any way you like. Cut the separate images out, and save them.

Figure 4. Import the saved files into PixelPro separately. Add extruded depth, and save them out in the object format your 3D software expects.





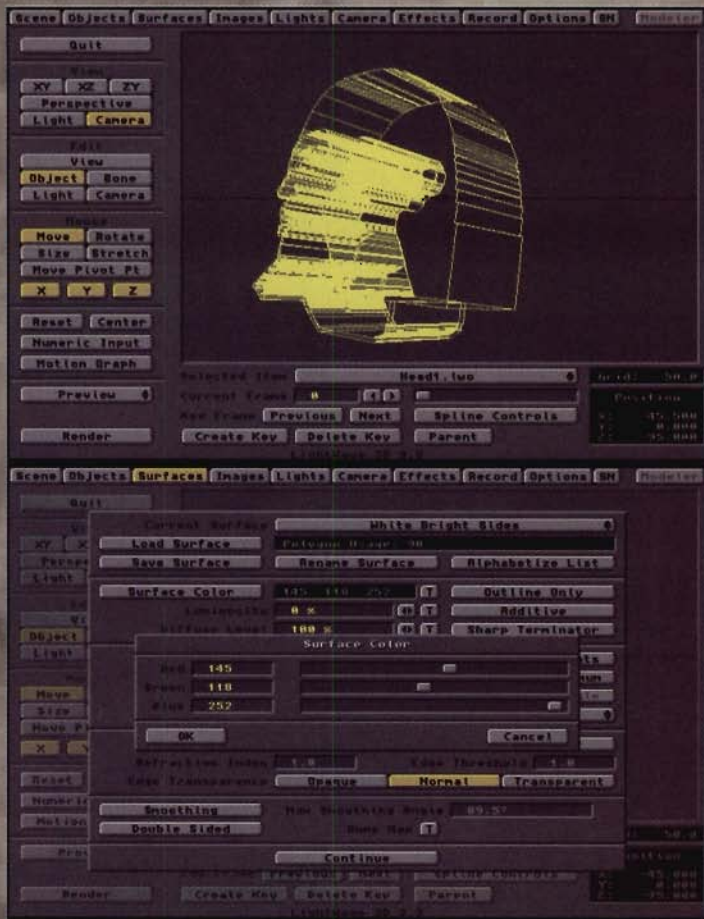


Figure 5. Open your 3D software (this is LightWave), and import the objects. Colorize and/or surface them as desired, and save them out as finished object that can be added to your 3D compositions.

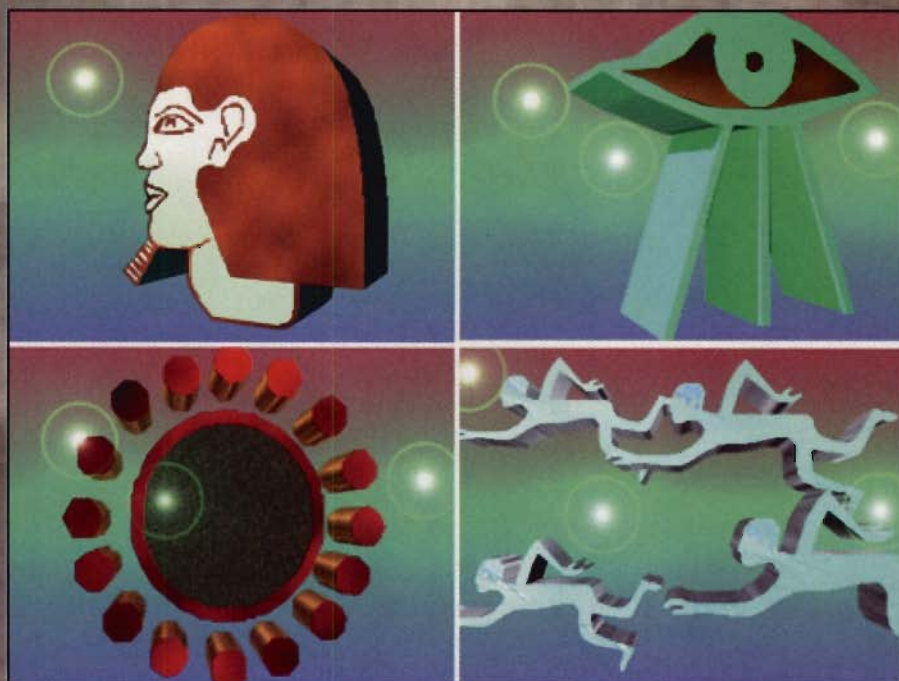


Figure 6. Once the extruded objects are exported to LightWave, all manner of colors and surfaces can be applied.

## The "BigScene"

(right) Once you have all of your picture elements in a file, it's time to put everything together in a composition. The following software was used to create this scene: Deniart Egyptian Hieroglyph fonts, ImageFX, Brilliance, PixelPro, and LightWave. On the non-Amiga end, Adobe Photoshop, Natural Graphics Scene Designer, and Fractal Design Painter were used to touch things up. The bottom half of the composition shows an undersea photograph from the "Underwater Realms" from Aztech New Media.

the graphic a bit. Go to the "View" menu, choose "Select", and make sure the name of the graphic is selected in the drop-down listing. Now go to the "Modify" menu, and select "Extrude". I use a setting of 60 here, but you can explore other settings. We are adding extruded depth to the image just imported.

- PixelPro saves out 3D objects in a number of formats, with the two most useful being LightWave (objects or scenes) and VideoScape (Binary or ASCII). I am using LightWave as a part of this project, but you might want to save out the 3D object in another format that your 3D software uses. VideoScape ASCII is a good all-around bet.

- Import the newly saved 3D object into your 3D program. In LightWave, each colorized aspect of the object can be targeted for a new color or surface, giving you loads of options on configuring scenes. Do this to as many object as you like, and mix and match these extruded objects with others if desired. After you have designed the elements that make up your scene, place them in their locations and generate either/ or pictures or animations.

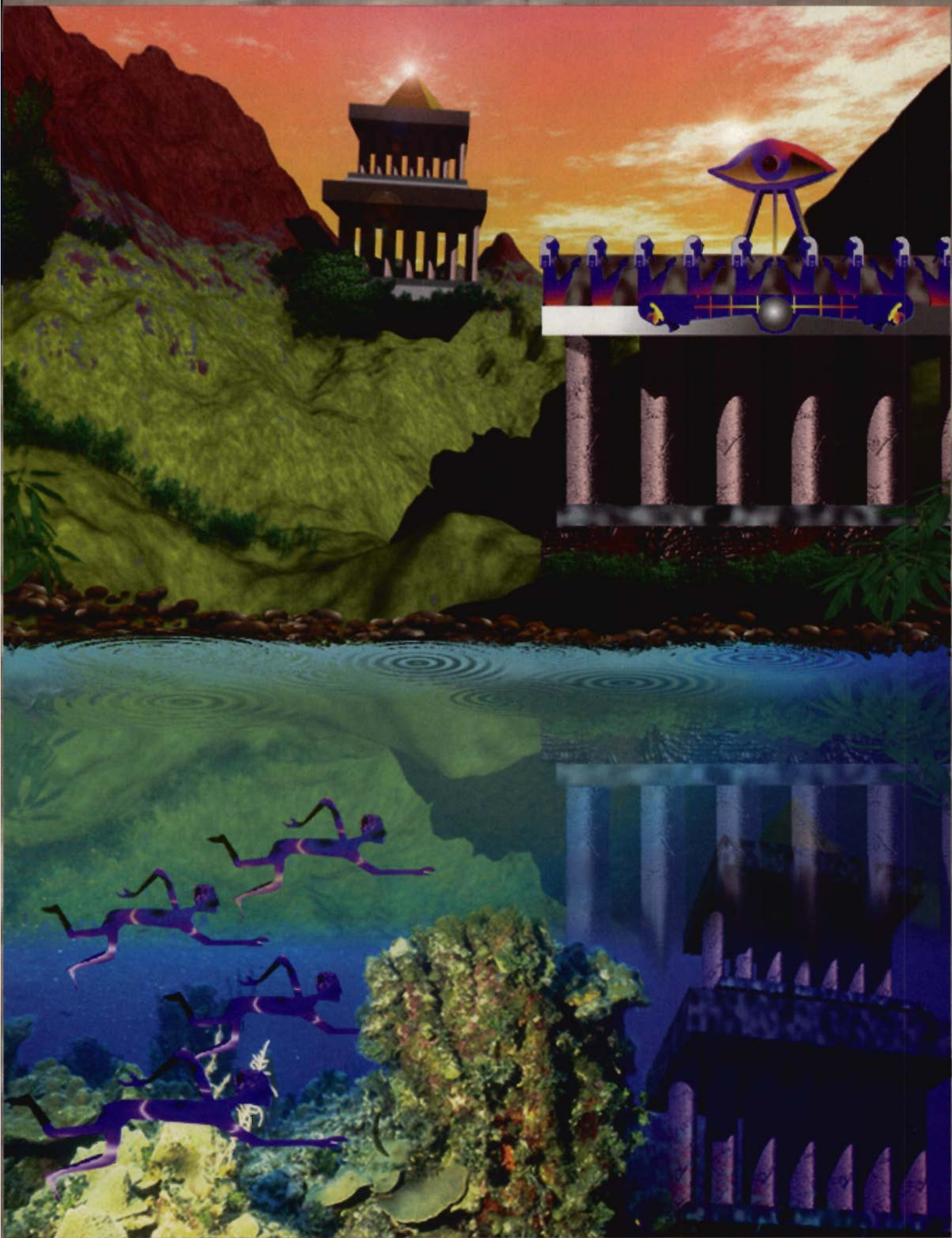
## Follow-Up

There will be one more article in this three part series, demonstrating how to use this same method with more standard font characters for either logos or more ambitious 3D scenes. Be sure to write me or send some e-mail if you have found some ways to use or alter this method in your own productions (rshamms@together.net).

Take care, enjoy, and I'll see you in ROMulan space.

•AC•







# KARA FOREVER

by R. Shamms Mortier

BEVEL BRICK BULLION  
CAPSULE CAST CHISEL  
*CHISEL script* CHROME  
CHISEL SERIF  
*Ch ChiselScript*  
*Chrome Script*  
Chrome Serif COLUMN  
EMBOSSSED GLASS  
GoldExtrude ENGRAVED  
GRANITE GraniteChisel  
*Kara Brushed ChiselScript Roman*  
Gothic Chisel GOTHIC SERIF  
ROMAN EXTRUDE TUBULAR  
MARBLE MARBLE bevel  
WOOD

When we speak about the Amiga in respectful and reverent tones, we refer to the two components that have contributed to its use. The first is the Amiga itself, and its capability to do things like real multi-tasking and full screen video animation. These are attributes based upon the hardware components that interconnect to form the internal guts of the machine itself.

The second category referenced when we honor the noble Amiga is software. Without great software, hardware stands alone and unused. The Amiga's hardware has been supported over the years by the most innovative and creative developers in the world, and they include every possible category of interest. Dominating the field of software development for the Amiga, as most of us realize, are developers devoted to videographics and animation, the Amiga's primary stronghold.

Though many of the original Amiga developers of graphics and animation software have for the moment moved on to other platforms, their names are recorded forever in the Amiga hall of records: Aegis, Electronic Arts, ADSPEC, Seven Seas, Broderbund, Digital Creations, and more. Others remain, developers like Nova Design, NewTek, Almathera, Radiosity, MetroGrafx, MegageM, and Kara, to name a few. Kara Computer Graphics is one of the most definitive supporters of the Amiga, definitive because the Kara Fonts Collection has long defined the ground-breaking graphics of the Amiga.

## Fonts?

At first glance, you might say "why all this fuss about a font collection"? The moment you crack the package however, and look at exactly what is involved on your monitor, you will understand why Kara Software's font volumes have played such an important part in the Amiga's history and continued use. Kara fonts are the highest quality color fonts on the market, and still maintain that position today after all the years since their inception. As a person who works on a Mac and a Pentium as well as on

Figure 1 (left). The Kara Fonts collection is an Amiga original, and consists of a number of high quality color fonts.



**Kara fonts were made for video display, yet they work equally as well when targeted towards desktop publishing.**

my Amigas, I can assure you that there is absolutely nothing like Kara fonts on the Mac, on the PC, or on any of the myriads of bloated CD-ROMs loaded with hundreds of font styles for any platform.

Kara fonts were made for video display, yet they work equally as well when targeted towards desktop publishing. The Amiga was the first platform capable of displaying color fonts, and the high quality designs of Kara fonts pushed that capacity to the max.

#### The Kara CD-ROM

The brand new Kara CD-ROM contains all of the fonts in the Kara collection that have been released piecemeal on floppies over the years, and it will be a valued and welcome member of your CD graphics library. But even more content is included to make up the 650 MB of material on this CD.

Here's what's included:

1. Eleven exquisite tutorial animations that step you through all of the CD content, from fonts to AnimFonts to StarFields to PersonalPaint effects. Yes, a copy of Cloanto's PersonalPaint is included on the CD. The animations can be played one at a time, or sequenced through in a global showing. The animations can be viewed in 16, 32, and 256 colors for both NTSC and PAL systems.
2. Kara's ColorFonts for both standard systems and for the Broadcast Titler software. The fonts include: Bevel, Brick, Bullion, Capsule, Cast, Chisel, ChiselScript, ChiselSerif, Chrome, ChromeChiselScript, ChromeScript, ChromeSerif, Column, Embossed, Engraved, Glass,

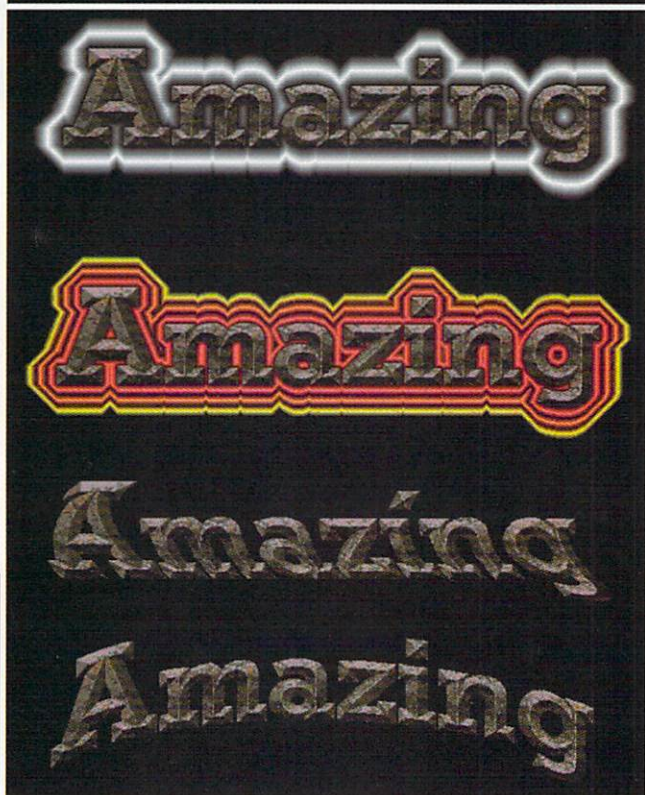


Figure 2 (top right). Simply by dragging a Kara font text block with the straight line tool in any Amiga paint program, you can add depth to your text.

Figure 3 (bottom right). Other ways to add more variety to Kara font text is to use the Outline tool in a paint program to add glows (top two figures), or to warp the text on either the horizontal or vertical planes (bottom two figures).



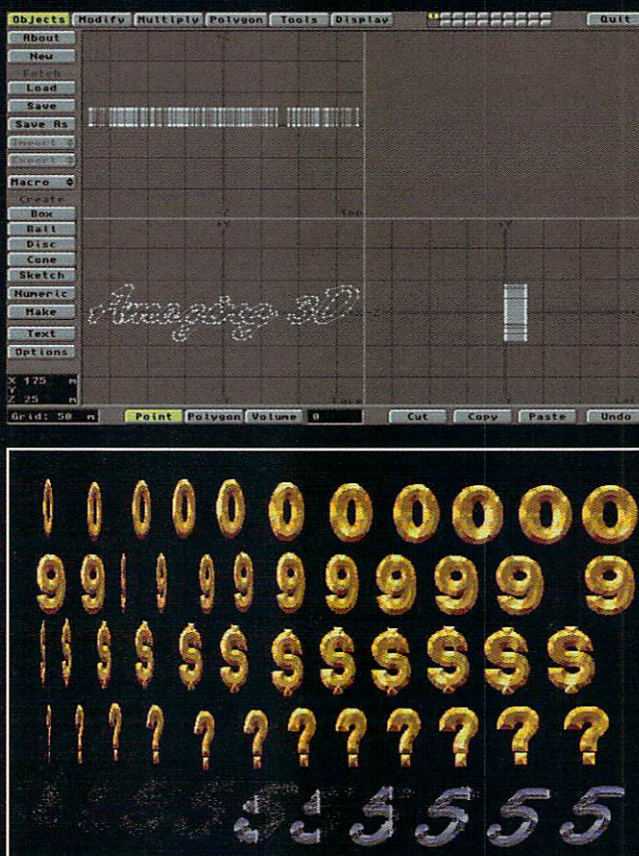
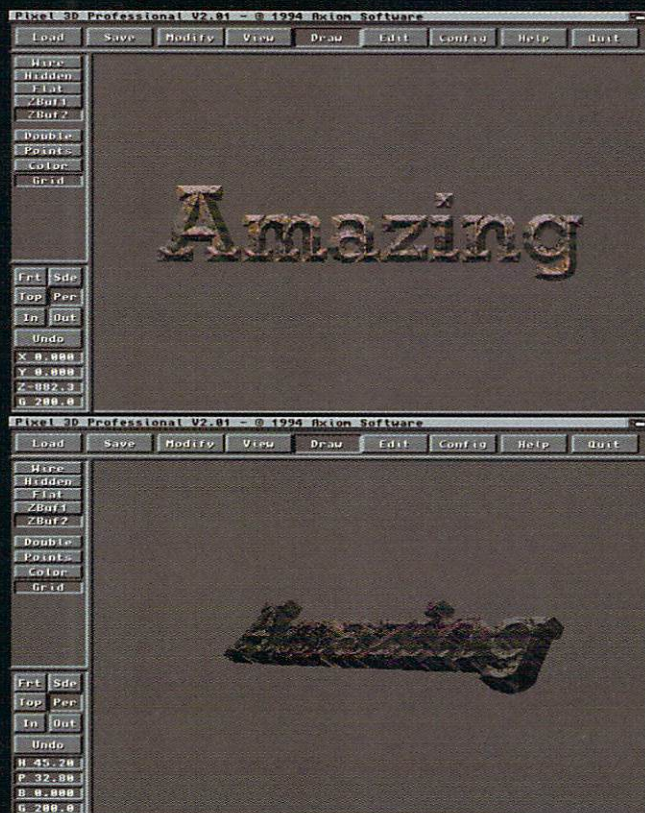


Figure 4 (top left). Using Pixel3D Pro, you can transform a Kara font text block into a 3D object.

Figure 5 (bottom left). Using the Extrude option in Pixel3D Pro, you can add depth to the text block.

Figure 6 (top right). Saving Kara text in Pixel3D Pro, the resulting object can be imported into LightWave for further modifications.

Figure 7 (bottom right). Kara's AnimFonts give you near-3D animations in DPaint or Brilliance.

Figure 8 (opposite top left). Included on the Kara CD-ROM are Kara's StarField animations.

Figure 9 (opposite bottom left). Cloanto's ColorType utility allows you to configure your own color font sets.

Figure 10 (opposite top right). Cloanto's PersonalPaint has a unique storyboard creation module.

Figure 11 (opposite middle right). As another extra added feature, Cloanto's personal Font Maker is included on the Kara CD-ROM.

GoldExtrude (my favorite), Granite, GraniteChisel, KaraBrushed, ChiselScriptRoman, GothicChisel, GothicSerif, RomanExtrude, Tubular, Marble, MarbleBevel, and Wood. These come in various sizes.

3. PlaqueGrounds. These are rendered plaques that act as a perfect backdrop for any of the Kara Fonts on the CD, and are included in NTSC and PAL variations in both Style and material libraries. They come as JPEG'd IFF 24-bit, full IFF 24-bit, 16 and 256 colors, and as Stencils.

4. Cloanto's ColorType. This is a little gem of a program that allows you to create your own color fonts, from scratch or from a font in your Amiga library. Instructions for its use are contained on the CD.

5. PersonalPaint. This is version 6.4 of this well known Amiga paint program, with all features and tools in tact.

6. Utilities. This is a set of utilities to help you install the fonts and view them.

7. AnimFonts. This is a drawer full of Kara's exclusive AnimFonts, AnimBrushes that allow you to craft interesting font animation with a selection of Kara Fonts. There are five complete AnimBrush alphabets, including: Bullion, Capsule, KaraGothicChisel, ChromeChiselScript, and ChromeScript.

8. StarFields are three complete NTSC/PAL animations (in both 2 and 16 color) that can be used as backdrops for Kara Fonts, AnimFonts, or your own animated figures. Also included are a rotating Earth, Comet, Satellite, and Asteroid



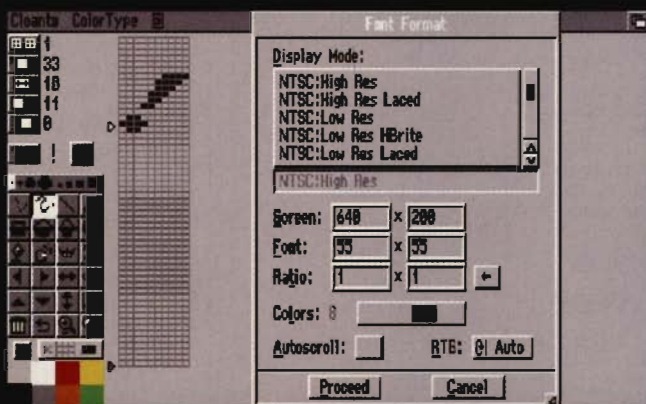
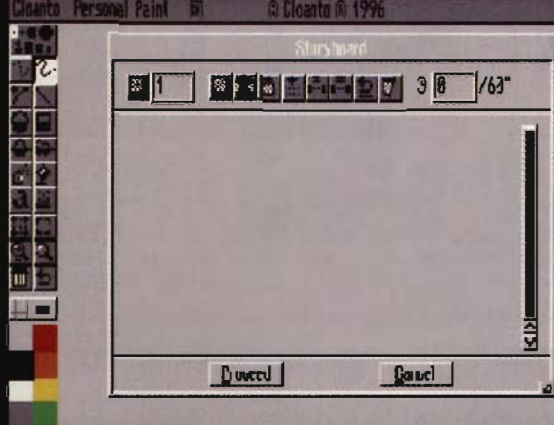
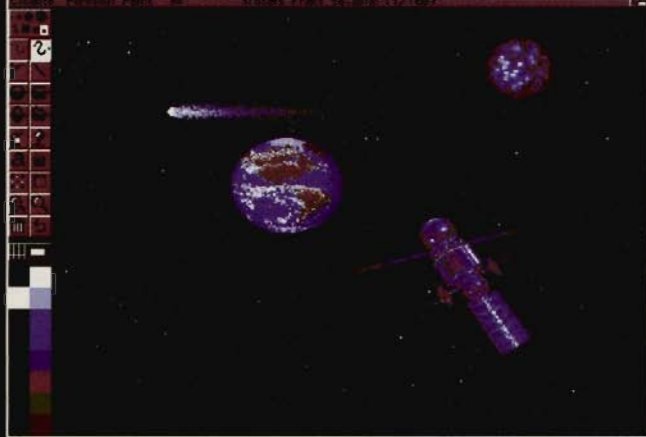


Figure 12 (right bottom). Once a Kara text block has been transformed into a 3D object in Pixel 3D Pro, it can be saved out as a LightWave object and rendered with alternate textures.



AnimBrushes. The animations are Hi-Res Interlaced star fields with moving stars that are absolutely mesmerizing to behold.

9. PFM/PDM. Cloanto's Personal Fonts maker and Printer Driver Modifier utilities. Personal Fonts Maker is an application that focuses upon the creation of Amiga bitmap fonts. Printer Driver Modifier allows you to load and edit your Amiga printer driver, and it should be used with care.
10. Kara's CD Guide is an AmigaGuide document that takes you through all of the needed information for each of the programs on the CD. It requires Amiga DOS 3.0 or above.

## Conclusion

What else? Buy this CD, and support one of the best Amiga developers around. Have fun working with your new Kara CD fonts and AnimFonts collections, as well as the Cloanto goodies!

•AC•





# Software Hut

# AMIGA

Folcroft East Business Park 313 Henderson Dr Sharon Hill, PA 19079

softhut@erols.com

Info 610-586-5703  
Tech 610-586-8640  
FAX 610-586-5706

## Orders 800-93-AMIGA

Hours: Mon-Fri 9 to 6  
Sat 10 to 4 - Eastern  
FAX 610-586-6416

our customers worldwide can now reach us by E-Mail. We always respond within 24 hours  
quotes & Technical Info, and ship orders the same day. Our address is softhut@erols.com •

### NewTek

5.0 Amiga	\$1179.00
5.0 Intel	1099.95
5.0 Upgrade Amiga	289.95
5.0 Upgrade Intel	469.95
Master 4.1 Upgrade CD	499.95
Master 4000	2079.95
Master Flyer	4195.00

Complete Flyer systems.  
Pricing.

### Supplies & Expansion Boards

W Power Supply	\$149.00
nd	57.95
	42.95
Placement Power Supply	109.00
er 32 Power Supply	79.95
er Power Supply	129.00
SI-2 PCMCIA Card	94.95
el PCMCIA Card	139.95

### Custom Chips

us 8372A	\$34.95
nise 8373	29.95
Chip	11.95
Denise Chip	16.95
	39.95
	39.95
630 Rev 7	36.95
091 Rev 7	34.95
Chip	13.95
1 Chip	22.95
1 Chip	26.95
1 v6	63.95
1 v6 A500/530HD	71.95
1 for A2091	63.95
1 Chip Rev 8A	32.95
1 Surf. Mount Chip	23.50
1 Rev 11	29.95
1 Rev 7	29.95
1 Face Mount	42.95
1 Mac Rev 4	42.95
1 C	29.95
	24.95

custom chips, call  
or web site.

### Expansion Systems

Power Supply	\$389.00
00 SCSI	159.95
00 SCSI & IDE	189.95
DS 1200	79.95
CSi+ 1200	79.95
CSi+ 4000	99.95
000s SCSI	89.95
000e IDE	79.95
0000 SCSI & IDE	139.95
0000SX SCSI Zorro	99.95
DS-XDS	89.95
DS-XDS w/CDFS	Call
X-XDS A1200	239.95



A500/2000	\$209.95
M Board OK for 2630	189.00
40 33Mhz RC CPU	154.95
40 40Mhz EC CPU	199.95
SI-2 Cobra/Mongoose	84.95
RAM prices	Call
CS12 Controller	79.95
SCSI2/RAM Controller	139.95
060 50Mhz for A2000	1279.00
M Exp. A3/4000 OK	229.95
A1200	17.95

### GVP-M

We are the North American distributors for GVP-M, currently distributing many new and innovative products made in the U.S.A. All current boards support inexpensive 72 pin SIMMs.

**A4000 Desktop Board**  
060/50Mhz w/SCSI-2, expandable to 128Mb RAM. Supports normal 72 pin SIMMs. Blazing & faster SCSI-2 than Cyberstorm.  
**\$924.95**

**A4060T Accelerator**  
060/50Mhz. Four standard 72 pin sockets for up to 128Mb RAM in SIMM sizes of 4, 8, 16, or 32Mb. Supports EDO.  
**\$879.95**

**A2000 060/50Mhz T-Rex**  
Same features as Desktop Board above.  
**\$849.95**

**A2000 040/40Mhz T-Rex**  
Same features as Desktop Board above. Can be expanded to 060/50Mhz later.  
**\$629.00**

**A4008 Controller Card**  
The classic SCSI-2 controller card for A2000/3000/4000. Holds up to 8Mb RAM.  
**\$134.95**  
**A4008 w/520Mb HD**  
**\$299.95**  
Each 2Mb increment - **\$46.00**

**Original GVP made SIMMs**  
for all older GVP boards:  
**4Mb - \$89.95**  
**16Mb - \$199.95**

DSS 8 Plus 3.0 Software \$29.95  
I/O Extender - 2 Serial, 1 Par. 109.95

**NEW A500 Product**  
Coming soon will be an 040 25Mhz accelerator with 32 bit RAM capability and SCSI-2 controller all in one external case. The base model will be **\$349.95**

If you purchased an M-Tec accelerator from us, call about a trade in this lightning fast product!

### IOmega

Zip Drive SCSI External	\$199.95
100Mb Removable Disk	16.95
100Mb Disks (3Pack)	47.95
Zip/Jaz Tools Software	24.95
Jaz Drive, 1Gb internal	399.95
Jaz Drive, 1Gb external	499.95
1Gb removable disk	99.95
1Gb rem. disks - 5 Pack	449.95

### CD-ROM Drives

**Sanyo H94S 2X SCSI CD-ROM**  
Internal model **\$57.95**  
External model **\$109.95**

**NEC CDR-222 Quad SCSI-2 Drive**  
Internal model **\$119.95**  
External model **\$179.95**

**Amiga Tech. 4X 1241 Q-Drive**  
For A1200 w/PCMCIA. CD-32 Emulation  
**\$179.95**

**Pioneer 10x SCSI CD-ROM Drive**  
Internal model **\$259.95**  
External model **\$329.95**

### Modems & InterNet

Supra Expr's 33.6 V34 FAX Modem	\$167.00
Supra FAX Modem 33.6 V34	209.95
Supra Sonic 33.6V+ FAX Modem	279.00
Cardinal 33.6 FAX Modem	166.00
Prac. Periph. 14.4 FAX Modem	84.95
JR Comm Terminal Software	5.00
Termite	39.95
Termite TCP	59.95
GP Fax Software - Class 1 & 2	54.95
Help Amiga Get On 'net Video	34.95
IBrowse	41.95
AWeb 2 w/HTML-Heaven	44.95

### Apollo

<b>A500</b>	
2Mb Chip RAM Board	\$185.00
<b>A600</b>	
620/25Mhz 68020 & 68882	\$179.00
<b>A1200</b>	
1260/50Mhz 68060	\$759.95
1240/25Mhz 68040	379.00
1240/33Mhz 68040	399.95
1240/40Mhz 68040	479.00
1230/50Mhz 68030	239.00
1230 Lite 25Mhz	144.95
1200 SCSI Module	129.95

<b>A2000</b>	
2030/25Mhz 68030 w/SCSI 2	\$299.95
2030/50Mhz 68030 w/SCSI 2	389.95
2040/25Mhz 68040	449.00
2040/40Mhz 68040	529.00
2060/50Mhz 68060	849.95
2Mb Chip RAM Board	185.00

<b>A3000/3000T</b>	
3060/50Mhz 68060 w/SCSI 2	\$829.95

<b>A4000/A4000T</b>	
4060/50Mhz 68060 w/SCSI 2	\$819.95

<b>CD-32</b>	
SX32	\$279.95
SX32 Pro	459.00

For the latest Products, Prices,  
Detailed Info, Tech Support, &  
Amiga News, visit our Web Site at  
[www.softhut.com](http://www.softhut.com)

### Village Tronic

Main Actor Professional	\$74.95
Main Actor Broadcast	239.95
Ariadne	249.95
Ami TCP/IP v4.x	94.95
Picasso to 1080/1084 Cable	34.95
Liana Network	89.95
Liana Network 5M	99.95
Picasso 2 Plus	299.95
Picasso 4	439.95

**3.1 Kits**  
**AS320 3.1 Kit for the A500, A2000, & A2500 - \$104.95**

**AS330 3.1 Kit for all A3000s**  
**\$119.95**

**AS340 3.1 Kit for all A4000s**  
**\$119.95**

**AS312 3.1 Kit for all A1200s**  
**\$119.95**

**AS306 3.1 Kit for all A600s**  
**\$104.95**

3.1 ROM for A500, A600, A2000 (Specify)	\$44.95
3.1 ROM set for A3000, A4000, A1200 (Specify)	59.95
3.1 Manuals & Disks (no ROM)	64.95
AS217 AREXX/DOS Enhancer	14.95
Multi-Start 2 v6A 500/600/2000	34.00

### AM-TRADE High Density Drives

- Full Chinton 357 compatibility
- Configure as DFO: or DF1:
- Runs with all Amiga programs
- Compatible w/OS 2.1 or higher

**A4000, or A4000T - \$109.95**

**A2000 series - \$114.95**

<b>A500 Peripherals</b>	
BigFoot 200W P.S. -A500-600-1200	\$84.95
Commodore A500 Power Supply	849.00
A500 Case complete w/shielding	17.95
A500 Internal Replacement Drive	44.95
Saturn External Floppy Drive 880K	89.00
A501 RAM Expansion Board	33.95
M-Tec A500 2Mb RAM Expansion	139.95

### Phase 5

Blizzard 1260 Turbo Board	\$749.95
Blizzard 2060 w/SCSI	849.00
Blizzard 1240 T/ERC	Call
Blizzard 1240 T/ERC w/SCSI	559.95
Blizzard 1230-4 w/50Mhz CPU	269.95
Blizzard 12x0 SCSI Module	169.95
CyberGraphx Software	49.95
Cybervision 64 3D 4Mb	389.95
MPEG Decoder for CV64 3D	Call
Scan Doubler Switch for CV64 3D	139.95
Cyberstorm 060 Mk2 3000/4000	849.95
Cyberstorm SCSI	179.95

<b>Video Products</b>	
Personal Anim. Recorder, Amiga	Call
Personal TBC 4	\$829.00
RocGen Plus Genlock	224.95
Vidi Amiga 24 RT	239.95
Vidi Amiga 24 RT Pro	329.95
VLab Y/C Internal	Call
VLab Y/C External	Call

### NEW Pricing on Computers from Quik Pak

#### A600

A601 1Mb Chip RAM w/Clock  
**\$69.95**

A600 w/65Mb Seagate HD installed - **\$369.95**

#### A1200 HD

New model from Quik Pak comes complete with factory installed 270Mb Seagate HD pre-loaded with The Magic Bundle software pack.  
**\$749.95**

#### A4000T

This powerhouse computer includes 6Mb RAM, 1.08Gig SCSI-2 Hard Drive, and 040 25Mhz Processor, Additional RAM, Hard Drives and Peripherals are available at great pricing. Call for a quote on your custom system.

#### A4000T

040/25Mhz/6Mb/1Gb HD  
**\$1999.00**

**A4060T Accelerator**  
Fastest 060/50Mhz accelerator available for A4000T. Expandable to 128Mb  
**\$879.95**

Trade in your A3640 and get the board for:  
**\$729.95**

**A4000T 060/50Mhz**  
In stock and shipping.  
**\$2699.00**

We configure complete  
Toaster and Flyer  
systems.

#### Input Devices

Mindscape Powerplayers Joystick	\$9.95
The Bug	18.00
Alfa Data 2 Button Mouse, 300 DPI	19.95
Alfa Data Mega Mouse, 400 DPI	26.95
Alfa Data Crystal Trackball	39.95
Alfa Data 3 Button Mouse	27.95
Wizard 560DPI Black 3 But Mouse	24.95
Wizard 560DPI Beige 3 But Mouse	24.95
CBM CD-32 Joypad	14.95
Logic 3 Action Joypad	19.95
Golden Image JP-100 Pen Mouse	19.95
Amtrak Trackball	69.95
WICO Black Max Joystick	7.95
PawsTrac MicroTrackball	49.95
4 Player Joystick Adapter	12.95
KB100 Adapter for AT Keyboard	49.95
Gravis Game Pad	26.95
Epson Action Scanner, 1200 OPI	499.95
Epson ES1000 Scanner, 1600 OPI	699.95



Info 610-586-5703  
Tech 610-586-8640  
FAX 610-586-5706/6416  
Hours: Mon-Fri 9 to 6  
Sat 10 to 4 - Eastern

**Orders**  
**800-932-6442**

# Software Hut

## CD-ROM/CDTV/CD-32 Sale

NEW, lower pricing and NEW titles. Purchase 4, or more, and receive FREE SHIPPING.

3D Arena	\$37.95	Insight: Technology	8.95
3D CD-2 Images	14.95	Internet's Avalon CD-ROM	44.95
3D CD-1 Objects	14.95	Into the Net (2 CDs)	21.95
17 Bit Continuation CD	12.95	Kara Fonts Complete Collection	89.95
17 Bit 5th Dimension	18.95	Learning Curve	21.95
17 Bit Phase 4	12.95	Light ROM 2	22.95
17 Bit 2 CD Collection	19.95	Light ROM 3 or 4 (Specify)	39.95
17 Bit & LSD Comp. 1, 2 (Spec)	12.95	Light ROM Gold	24.95
17 Bit & LSD Comp. 3	22.95	Magic Illusion	13.95
1078 Weird Textures	19.95	Magic Publisher	49.95
2000 Greater Mysteries	29.95	Magic Workbench Enhancer	26.95
3000 JPEG Textures	22.95	Maximum MODs Volume 1	25.95
A Long Hard Day on the Ranch	9.00	Meeting Pearls 3 or 4 (Specify)	13.95
Advanced Military Systems	6.00	Micro R&D Volume 1	25.00
AGA Experience	24.95	Micro R&D Volume 2	40.00
AGA Experience 2	26.95	Micro R&D Vol 3 or Vol 4 (Specify)	14.95
American Heritage III. Dictionary	12.00	Micro R&D Volume 5	44.00
Amiga CD Sensation 1 - Demos	15.95	MODs Anthology	36.95
Amiga CD Sens. - Golden Games	15.95	Movie Maker Special FX 1	59.95
Amiga Developer CD v1.1	17.95	Moving Gives Me a Stomach Ache	9.00
Amiga Emulator for PCs	32.95	Moving Textures 100, 200 (Spec)	239.00
Amiga Repair Kit	45.95	Mud Puddles	10.00
AmiNet Share 4	7.50	Multimedia Backdrops	24.95
AmiNet Set 1 or 2 (Specify)	32.95	Multimedia Toolkit	10.95
AmiNet Set 3 or 4 (Specify)	37.95	Multimedia Toolkit 2 (2CDs)	26.95
AmiNet 5, 6 (Specify)	12.00	MUSIC MODs & Sound Samples	8.95
AmiNet 8, 9, 10, 11, 12 (Specify)	17.95	NetNews Offline 1 or 2 (Specify)	16.95
AmiNet 13, 14, 15 (Specify)	19.95	Network CD 1 or 2 (Specify)	19.95
AmiNet 16 NEW	19.95	Network Cable CD32 to Amiga	30.00
AMOS PD	21.95	Nothing but Tetris	14.95
Arcade Classics Plus	23.95	Otamed 6	24.95
Artworx	12.95	Otamed Sound Studio	36.95
Assassins Games	8.95	Oh Yes... More Worms!	19.95
Assassins Games 2	22.95	OnLine Library	19.95
Audio Thunder	69.95	Our Solar System	18.00
BCinet 1, 2 (Specify)	8.95	Paperbag Princess	10.00
Beauty of Chaos Fractals	15.95	Personal Paint 7.0	69.95
Bible & Religion	17.00	Personal Suite from Cloanto	89.95
Blanker Collection	19.95	PhotoCD Manager	33.95
C64 Sensations Volume 2	26.95	Photogenics 2	159.95
Card Games	22.95	Print Studio Pro	37.95
CD PD 1	8.00	Pro Pics	24.95
CD PD 2, 3, 4 (Specify)	24.00	Psycho Killer	8.00
CD Write	42.95	Retro GOLF: Emu-late	22.95
Chaos Engine CD-32	6.00	SFX Volume 1 or 2 (Specify)	29.00
Clip Art & Fonts	9.95	Scene Storm	26.95
Clipart Warehouse 1, 2 (Specify)	18.00	Sci Fi Sensation v2	28.95
Cookbook Heaven 2	19.00	Solar System Kit for LW	84.95
Colour Library	15.95	Sounds Terrific 1	12.95
Corporate Video Backgrounds	118.95	Sounds Terrific 2	24.95
DataMix	16.00	Space & Astronomy	21.00
da Capo Mods & Sounds	22.95	Spectrum Emulator 1996	27.95
DEM ROM	22.95	Sports Football CD-32	6.00
Demo CD 1, 2 (Specify)	24.00	Strip Poker	12.95
Desktop Video CD 2	Call	Surface Pro & Pro Textures Combo	55.95
Distant Suns 5.01 CD NEW	49.95	Synthesys 3D ROM v1, v2 (Specify)	79.95
EMC-Phase 1, 2, 3 (Specify)	33.95	System Booster	32.95
Emulators Unlimited Plus	26.95	Tales of Peter Rabbit	10.00
Encounters: The UFO Phenomenon	26.95	Ten on Ten (10 CDs)	49.95
Epic Collection	16.95	Texture Heaven	7.50
Epic Interactive Encyclopedia	46.95	Texture Heaven 2	12.95
Eric Schwartz CD-Archive	19.95	That's Games 1, 2 (Specify)	25.00
Euro CD Vol 1	19.95	Time Table of History: 1991 Editions	
EuroScene	8.95	Business, Politics & Media	15.00
EuroScene 2	18.95	Town With No Name	5.00
Eyes of the Eagle	9.00	Turbo Calc 2.1 CD	12.95
Fantasas	22.95	TurboCalc 4.0	64.95
Fractal Pro Image Library	19.95	Universal 3D ROM	137.95
Fresh Fonts Vol 2	24.00	Ultimedia 1 & 2 (2 CDs)	21.95
Frozen Fish 8/95	14.95	Utilities Experience NFA	19.95
Gamer's Delight 2	24.95	Utilities Volume 2	29.95
Garden Fax: Fruits, Veggies, Herbs	9.00	Visual FX 1, 2 (Specify)	99.00
Garden Plants	9.00	Weird Science Clip Art	14.00
Indoor Plants	9.00	Weird Science Fonts	14.00
Gardening Handbook	18.00	Weird Science Animations	19.95
Gateway 1 or 2 (Specify)	18.95	Weird Science Demo Mania 1	20.00
Geek Gadgets	19.95	Weird Science UPD Gold	26.95
GIF Gallery Vol 1	22.00	Women in Motion	9.00
GIF Sensation	24.95	Women of the Web	39.95
Global Amiga Experience	26.95	WordWorth 6	79.00
Gold Fish 2, 3 (Specify)	18.95	WordWorth Office	99.00
Guinness Book of World Records	6.95	Workbench Add On	27.95
Horror Sensation	26.95	World Atlas from Wisdrome	39.95
Hottest 4, 5, 6 (Specify)	24.95	World Info	45.95
Hound of the Baskervilles	8.00	World of Photo	19.95
Humanoid LW or Imagine (Spec)	159.95	Wrath of the Demon	5.00
ImageVision	184.95	XIPaint 4.0	55.95
Imagine PD 3D	23.95	Zoom Release 2	34.95

## Power HD Floppy Drives

3.5Mb Super XL Ext. Drive	\$209.95
Power Computing 1.76 XL Ext.	134.95

## Memory CPUs & FPU's

Call! Prices changing daily.

## Amiga Technology Monitors

We are pleased to announce the exclusive North American Distribution of Amiga Technologies Monitors. These are Highest Quality monitors, made especially for your Amiga. 1 Yr Warranty through Electrohome, in the USA.

1438S Amiga Monitor		M1764 Amiga Monitor	
• 14" CRT Hi-Res Color Monitor		• 17" Diagonal FST Invar mask	
• Short Persistence Phosphors		• .28mm DP • 85Mz Bandwidth	
• 28mm DP • 40Mz Bandwidth		• Anti-Static AR faceplate finish	
• 15-40KHz Horizontal Frequency		• 15-64KHz Horizontal Frequency	
• 45-90Hz Vertical Frequency		• 45-125Hz Vertical Frequency	
• Universal 100-240 VAC 50/60Hz			
• Amplified Stereo Speakers			
<b>\$439.95</b>		<b>\$789.95</b>	
15 to 23 pin Adapter	\$28.95	Toshiba 20" Multiscan	
Sync Strainer Adapter	49.95	S-VHS, RGB, Comp., Audio, Sub-	
Pro-260 Amplified Multi-Media		Bass 20W Stereo Speakers, Dark	
60w Speaker System	39.95	Flat Screen, 181 channel Tuner.	
		<b>\$699.95</b>	

## Productivity - Utilities

Address It! 1.5	\$26.95	Imagine 5.0	169.00
Air Mail 4 Email	39.95	InfoNexus 2 w/DataNexus	59.95
AmiPC Power Mouse Software	18.95	Insight: Dinosaurs CD	14.95
Amiga Envoy 2.0	45.00	InterNet Starter Package	27.95
AmigaVision Clips v1 SFX	8.95	International Flow Charter	23.95
AmigaVision Professional	24.95	Invoice It 1.2	34.95
Art Effect 2.0	195.00	Link It!	49.95
Artworks Clip Art Library	22.95	Mac Lite	54.95
ASIM 3.x upgrade for 2.0	42.95	Magic Lantern v2	94.00
ASIM CDFS CD-ROM Driver v3.x	59.95	Make Path 2.10	29.95
AWeb 2 w/HTML Heaven	44.95	Master ISO from ASIMware	174.95
Batch Factory	49.00	Mavis Beacon Teaches Typing 2	24.95
Blitz Basic 2.1	69.00	MaxDOS 2.5	79.00
Brilliance 2.0	124.95	MegaBall 4	19.00
Cinema 4D/Magic Link	239.00	Motion Master LW (Spec v1 or v2)	114.95
Composite Studio Pro	149.95	MR Backup 2.5	45.00
Control Tower	139.95	Music X 2.0	69.95
Co-Pilot Video	99.00	On the Ball v1.5	35.00
Cross DOS v6	46.95	OutputStream 3.2	159.00
Cross MAC	79.00	Pandoras CD	9.95
Decision Maker	199.00	PC Task 3.1	49.95
Deluxe Paint 5	124.95	PCx Software PC Emulation	69.95
Deluxe Music 2	59.95	Pegger 2.0	29.95
Desktop Magic	28.95	Pixel 3D Pro 2.x	89.95
Desktop Magic Sound/Art Pack	14.95	Power Macros/Lightwave	89.95
Diavolo Backup Standard	69.00	Premium NEW	46.95
Diavolo Backup Professional	98.00	Pro Vector 3	179.00
Dice 3.2	89.95	Quarterback 6.1	49.95
Digital Universe	124.95	Quarterback Tools Deluxe 2.02	49.95
Directory Opus 5.5	79.00	Quarterback + Tools Bundle	89.95
DirWork 2	59.00	SAS/C 6.51	89.95
Disk Expander	37.95	SCALA Backgrounds Volume 2	19.95
Disk Magic	54.95	SCALA Backgrounds Volume 3	19.95
Disk Salv 4	29.95	SCALA MM300	144.95
Distant Suns 5.01 Floppy	57.95	SCALA MM400	199.95
DJ Helper 2	59.00	SCALA MM400 upgrade for MM300	69.95
Draw Studio	Call	Scape Maker 4.0	39.95
Easy Ledgers 2	149.95	Scenery Animator 4.0	58.95
Emplant A1200 & CD32 w/SX Unit	46.95	Sequencer One+	35.00
EnPrint 2 Epson Stylus Color Driver	34.95	Snap Maps: Building Materials	124.95
Envoy 2.0	39.00	Snap Maps: Fields & Foliage	124.95
Family Connections	34.00	Soft Talk	7.50
Fiber Factory	79.95	Sparks	119.95
Final Calc	134.95	Squirrel Zip/Jaz Tools	24.95
Final Data Release 3	59.00	Storm C	375.00
Final Writer Rel 5	112.95	Storm Wizard	84.95
Final Writer Lite	59.95	Studio Printer 2 v2.14	85.00
Fractal Pro 6.10 w/FPI v1 CD	85.00	Super HP-DJC 3 or HP-LJ4 (Spec)	37.95
GameSmith Development System	68.00	Surface Pro	55.95
GeoMorph 1.0	49.95	Termite TCP	59.95
Gigamem 3.x	58.95	Terra Form 2.10	29.95
HiSoft Basic 2	94.95	Torus Print Pro 5	84.95
IBrowse	41.95	Twist 2 Relational Database	119.95
Image F/X 2.6	229.95	TypeSmith 2.5	69.00
ImageMaster R/T	69.00	Upper Disk Tools	25.95
		Video Backup System	69.00
		Vista Pro 3.05	49.95
		Wave Maker 2.0	179.95
		Wipe Studio	137.95
		World Construction Set v1	158.95
		World Construction Set v2	368.95

## Amiga Parts

A1000 Case w/all shielding	\$9.95
A2000/A3000 Keyboard	79.95
A600/1200 Internal Floppy Drive	69.95
A2000 Internal Floppy Drive	69.95
A3000 Internal Floppy Drive	69.95
A2000 Power Supply	109.00
Mouse for CDTV, wired - black	16.95
Bigfoot A4000 Pwr Sy 300W	269.95
Bigfoot A3000 Pwr Sy 300W	239.95
286 Bridgeboard PCB Only	69.95
CBM CDTV Control Pad	34.95
CaseWork 4000 (Spec Top or Bot)	19.95
2088XT Bridgeboard complete	15.00
CDTV Keyboard Black	59.95

## CBM Service Manuals

A500 Service Manual	\$14.95
A3000 Desktop Service Manual	19.95
A3000 Tower Service Manual	22.95
1084S D1 Service Manual	14.95
1950 or 1960 Serv Man (Specify)	19.95
2091 Service Manual	12.95
A2060/A2065/A2232 Serv. Man.	12.95
CDTV Service Manual	17.95
A1200 User Manual	5.95
A4000 User Manual	7.95

## HOT & NEW

### Games for Amiga & CD-32

Aladdin AGA	\$24.95
Alien Breed 3D AGA/CD-32 (Specify)	22.95
Alien Breed 3D 2 AGA	39.95
Akira CD-32 w/T-Shirt	8.95
Breathless AGA	29.95
Capital Punishment AGA	39.95
Coala - for all accelerated Amigas	29.95
Colonization	29.95
The Clue (CD-32)	16.95
Defender of the Crown 2 CD-32	9.95
Dungeon Master 2 AGA	42.95
Exile AGA/CD-32 (Specify)	37.95
Exile ECS	24.95
Extreme Racing AGA/CD-32 (Specify)	29.95
Fears AGA	37.95
FIFA International Soccer	19.95
Gloom CD-32	24.95
Gloom Deluxe Amiga	39.95
Gulp CD-32	9.95
Humans 3 AGA	39.95
Lion King AGA	24.95
Nemac 4 AGA/CybergraphX	44.95
Odyssey Amiga	34.95
Overlord ECS/AGA	24.95
Pinball Illusions AGA/CD-32 (Spec)	37.95
Pinball Mania AGA	37.95
Pinball Prelude ECS/AGA (Specify)	34.95
Populous	14.95
Roadkill CD-32	17.95
Sensible Golf Amiga	37.95
Sensible World of Soccer 95/96	34.95
Shadow Fighter ECS/AGA (Specify)	19.95
Shadow Fighter CD-32	39.95
Slam Tilt AGA	34.95
Speris Legacy AGA/CD-32 (Specify)	26.95
Star Crusader AGA/CD-32 (Specify)	42.95
Super Skidmarks ECS/CD-32 (Spec)	34.95
Super Skidmarks Data Disk AGA	19.95
Super Stardust AGA/CD-32 (Spec)	34.95
Super Tennis Champs Amiga	34.95
Theme Park AGA	19.95
Viro Cops ECS/AGA (Specify)	29.95
Virtual Kiting AGA	26.95
Watch Tower AGA	24.95
Worms Amiga/CD-32 (Specify)	32.95
Worms: Director's Cut AGA	39.95
XPB AGA	38.95

### Amiga Books

Exploring Lightwave 3D	\$52.99
Complete Post-Prod. w/B. Wilson	24.95
FX Kit for Lightwave	33.95
Power FX for LW 5.0	27.95
Connect Your Amiga	19.00
LightWave Power Guide	42.95

## Our Policies

No waiting for your orders to ship. Orders in by 2PM go out the same day. Second Day & Overnight shipping is available. International orders ship by Air Parcel Post or UPS Express. Domestic orders ship by UPS or Airborne Express.

\* All orders are subject to credit card verification \*



Due to ad schedules, all prices are subject to change. We accept Visa, MasterCard, American Express, & Discover with NO service charge. We also ship COD, accepting Cash, Certified Check, or Money Order. Minimum COD order is \$50.00. Software and accessories shipping is \$6.00. Hardware shipping is \$6.00 for small items, \$15.00 for Monitors. Call for larger items. COD add \$5.00. Canadian, A.P.O., & International orders are welcome. We will bill only for actual shipping charges & insurance at time of order. 15% restocking fee on all returns not exchanged for another item. Shipping charges are NOT refundable.

© Copyright 1996, TonyAntonecic & Co., All Rights Reserved



# on line

by Rob Hays

## amiga telecommunications



**Send your e-mail by Air Mail, use a Bomb! to read your e-mail, and tour the AmigaZone from your own web browser.**

Back in the old days if you wanted your mail to get to its destination by the quickest means available, you sent it via air mail. With e-mail distance is irrelevant, but you can still give your e-mail a boost with Air Mail.

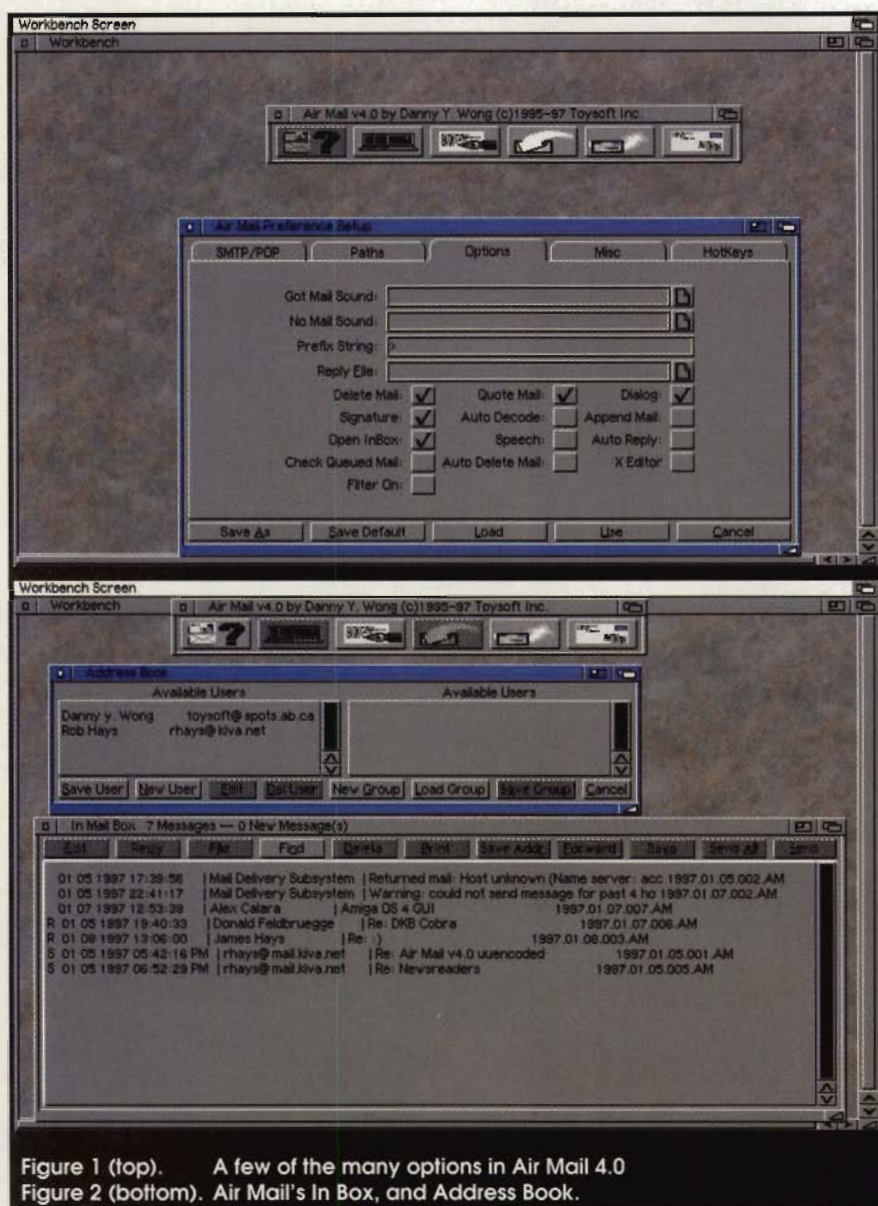
### Air Mail

From Danny Y. Wong and Toysoft Development, Inc., Air Mail is currently at version 4.0, and is chock-full of features and capabilities. A few of these include automatic handling of messages including Multipurpose Internet Mail Extension (MIME) and uuencoded files. You can also set up Air Mail to play IFF sound files for various events, such as having new mail (Figure 1).

When started, Air Mail displays a small menu bar on your screen. All of its functions can be selected either from this group of icons, or from menus.

Opening the In or Out box will display a listing of the mail files available (Figure 2). Double clicking on a file name will display the message for reading. Choosing to reply to a message will start either the internal editor or your favorite external editor as set in Air Mail's preferences. Outgoing messages can be stored in a Queue folder until you are on line and want to send them.

One unique feature is called True Signatures. This allows you to use a





paint program to draw an image you wish to attach to your e-mail. Other Air Mail users running under OS3.1 will be able to display your image at the end of your message. Of course Air Mail will handle the more usual ASCII signatures, and can even add a random tag to your message. Tags are one line in length, and if you create a file of thoughts, quotes or sentiments, Air Mail will add one to the end of your signature.

Addressing a message to someone in your Address book involves simply dragging their name from one Listview gadget to another (Figure 3). This same window handles your selection of files to attach to your e-mail.

---

You can also set up User Mailboxes into which Air Mail will automatically place messages from the specified users.

---

You can also set up User Mailboxes into which Air Mail will automatically place messages from the specified users. This is handy if you have ongoing e-mail correspondence with certain people, allowing you to keep these messages separate from all others.

Air Mail is a commercial program as of version 4.0 with a price of \$40US. Documentation is in AmigaGuide format, and an AReXX installation script is included. A demo version is available from AmiNet in the comm/mail subdirectory, and the Toysoft homepage (Figure 4) at:

<http://www.spots.ab.ca/~toysoft/>

Air Mail requires OS 2.1+, either AmiTCP/IP 4.0+, Miami, TermiteTCP, or MLink, and Magic User Interface 3.2+. As with all e-mail programs you will need to supply certain information concerning your account, such as username, password, and the domain names of your mail servers. Check with your Internet Service Provider for any details of which you are not sure.

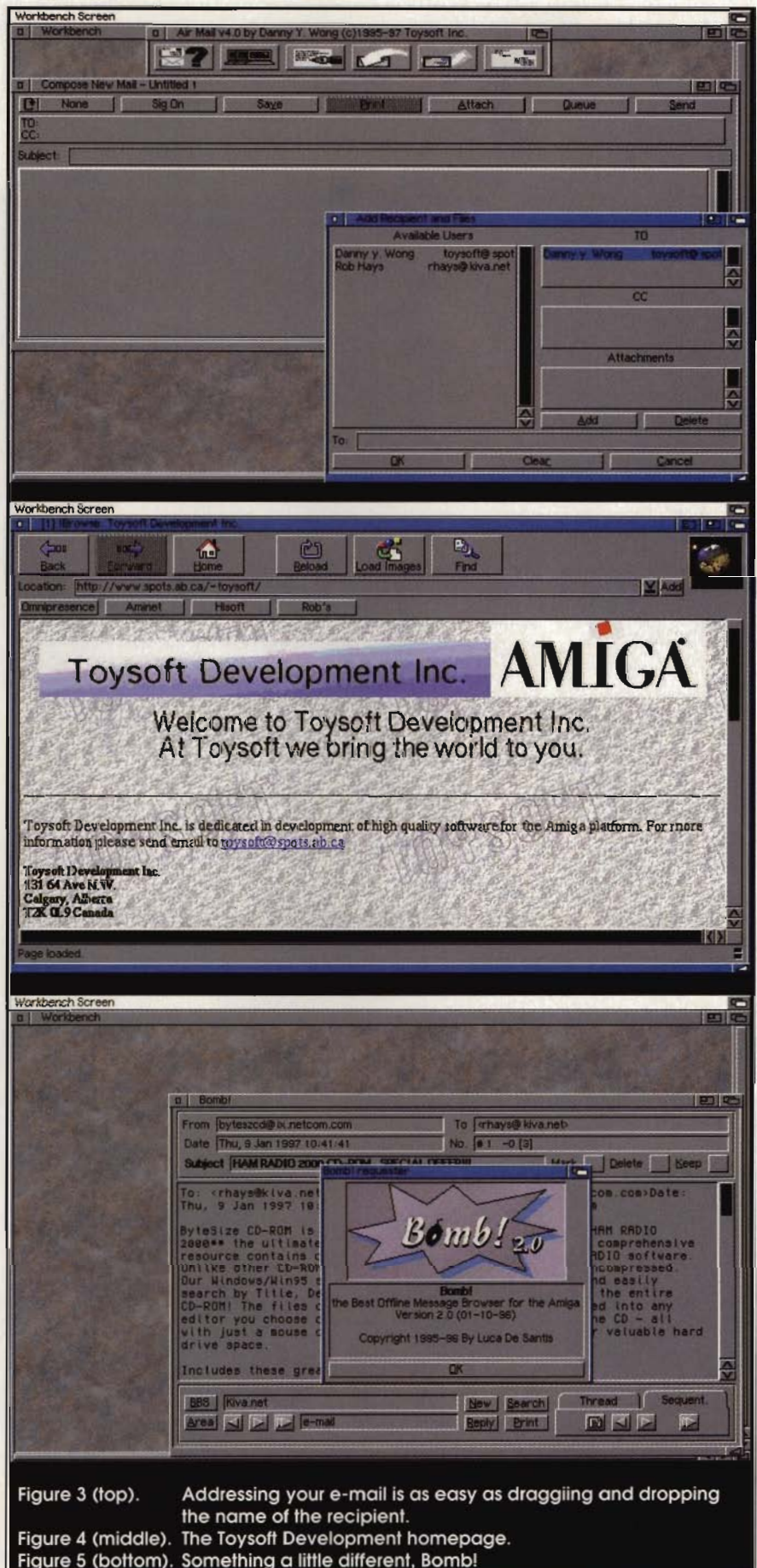


Figure 3 (top). Addressing your e-mail is as easy as dragging and dropping the name of the recipient.  
 Figure 4 (middle). The Toysoft Development homepage.  
 Figure 5 (bottom). Something a little different, Bomb!



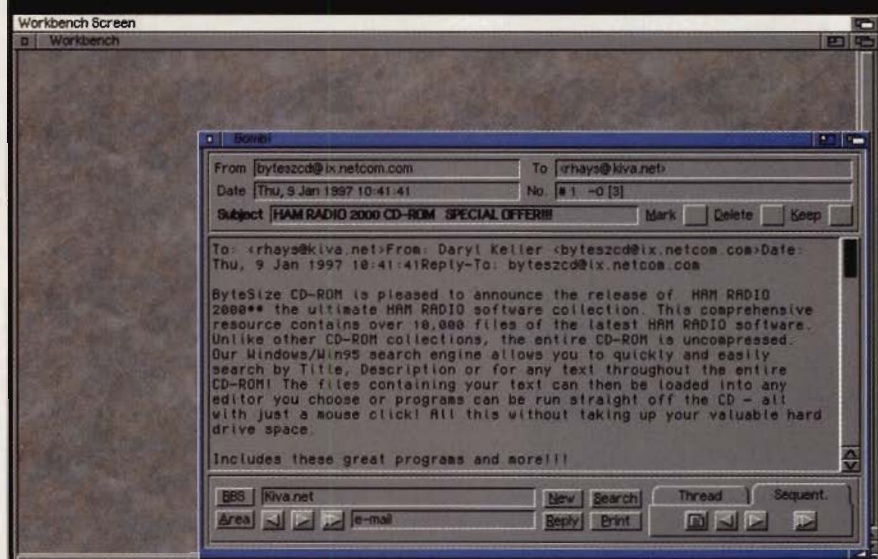
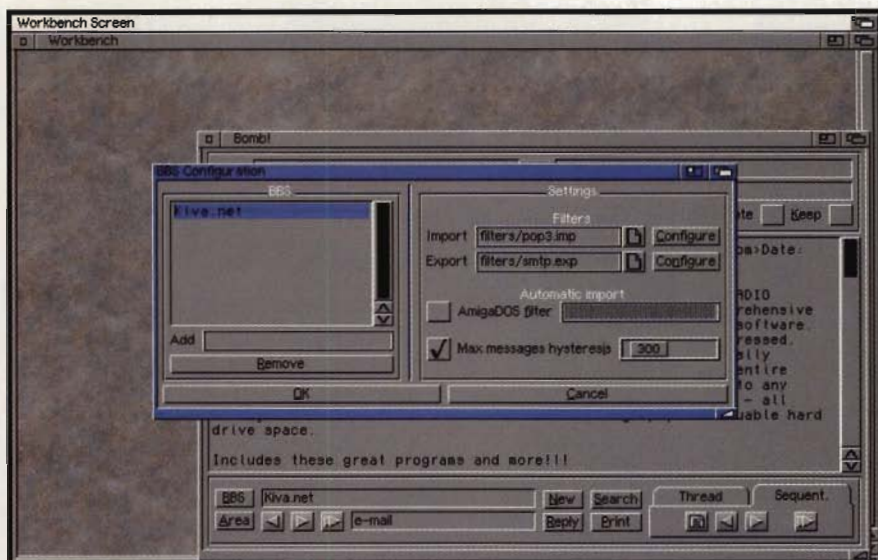


Figure 6 (top). The origins of Bomb! show in some of the terminology used.

Figure 7 (middle). The main window of Bomb!

Figure 8 (bottom). From each Area of every BBS can be configured.

## Bomb!

Luca De Santis began his Best Offline Message Browser (Figure 5) with the single purpose of having an offline reader for use on his favorite BBS. During the programming, he decided to employ a system of import/export filters. This has allowed him to add features that make it possible to use Bomb! as an internet mail reader. This same system of filters will allow the planned addition of Usenet Newsgroup capabilities in the future.

The BBS origins make the operation of Bomb! a bit different than other mail readers we've looked at. Message sources are organized under the heading BBS's, each with its own configuration (Figure 6), message bases, etc. The main window (Figure 7) displays the current message, and gives access to the different BBSs and various Areas within each BBS (Figure 8). Messages can be read either sequentially or by following subject threads. On Line help is available, as well as the MUI bubble help.

As each message is imported, it can be automatically unarchived, decoded if it was uuencoded, or decrypted if the sender used PGP. Obviously you have to install the appropriate archiving, coding or encryption programs for these features to work (Figure 9). For more complete details on Pretty Good Privacy (PGP), see the article by Dr. Michael Tobin in the January issue of *Amazing Computing*. These features are also available when sending messages (Figure 10).

Bomb! is shareware, with a requested payment of \$18US. Requirements are OS 2.0+, MUI3.3+, and a TCP/IP stack, such as Miami, or AmiTCP/IP. AmigaGuide documentation and an Installer script round out the package. The demo version is available from either the comm/mail subdirectory of your favorite AmiNet mirror, or the support site:

<http://amp.flashnet.it/bomb/index.html>



## Updates

In the December 1996 *On Line I* mentioned that the AmigaZone was forced to move from the defunct Portal system to CalWeb. In the best Amiga traditions sysop Harv Laser has taken the lemon of being forced to relocate and made lemonade. In what is a first for Amiga users, the content of the AmigaZone is available via the World Wide Web (Figure 11).

Members of the 'Zone can point their favorite Browser to:

<http://amigazone.com>

and access the files, message bases, and live chats just as if they had called direct or used telnet through their ISP. A general Web page with signup info is at:

<http://www.amigazone.com>

## Where To Find Me

rhays@kiva.net

<http://www.kiva.net/~rhays>

rhays@amigazone.com

R.Hays5 on Genie

72764,2066 on CompuServe

For U.S.Mail:

Rob Hays

P.O.Box 194

Bloomington, IN 47402

Please include a SASE if you need a personal reply.

If you run an Amiga specific BBS, send me the information callers will need to access your system. Phone number(s), modem speeds, software settings, etc. As a service to the Amiga community I will include the information I receive in this column from time to time.

If you come across any World Wide Web sites you feel would be of interest to the Amiga community, pass them along for inclusion in the Hotlist of the Month. Send the info to any of my addresses above.

•AC•



Figure 9 (top).

This window lets you encrypt your e-mail so that even the CIA may not be able to read it!

Figure 10 (middle). Double-click a name, and your mail is addressed.

Figure 11 (bottom). The new Amiga Zone Web access page.



# Audio Thunder

AsimWare Innovations makes it possible to translate audio files to and from other formats.

by R. Shamms Mortier

We often forget that the Amiga is a great platform for creating and manipulating audio as well as video. But it remains true, and over the years, a number of developers have produced both hardware and software to allow professional musicians and hobbyists alike to write and record music, manipulate sound samples, and tinker with the sound spectrum of the human voice, all on our beloved wonder machine.

But the world hasn't remained where it was when the Amiga was first introduced. Now, software and hardware that represents the peak of audio capabilities runs on Windows machines, and the trend keeps forging ahead in that direction. The Mac has always been a leader in audio, and it too remains entrenched in recording studios throughout the world as a compositional and A&R tool. So what about the Amiga composer and audio enthusiast? Is there no way for her or him to tap into the audio file formats

reserved for non-Amiga platforms? Someone has ridden to the rescue.

## AsimWare as the Voice in the Wilderness

What is needed for the Amiga audio enthusiast to be current these days is a way to speak with (handshake) the non-Amiga dominant audio file formats, and to be able to convert them to Amiga intelligible structures. After all, we have Nova Design's ImageFX as a translator for all types of graphical data files, PixelPro from Axiom as a conversion utility for 3D object formats, and MainActor Professional for translating non-Amiga movie and animation file formats back and forth. Now AsimWare Innovations, long known for its CD-ROM utilities in the Amiga realm, takes the high ground as the software of choice when it is necessary to translate audio files to and from other formats: Audio Thunder.

The core purpose that motivated AsimWare to develop Audio Thunder was fairly specific. It has to do with NewTek, the company that has sustained the Amiga for many years as the receptor for the Video Toaster, and also as the creator of the Video Flyer.

The Video Flyer, a non-Amiga add-on system from NewTek, is used to speed up the generation of NewTek LightWave animation frames, and to act as a general production tool for Toaster/LightWave users. The Flyer handles audio clips as well, so they can be integrated into a total production. But there's a problem.

The Flyer's audio clip files are proprietary, and have no way (on their own) to talk to or understand other audio file formats, Amiga or not. To get sound into a Flyer production, it has to be audio digitized directly. That is less than perfect, because while it reigns supreme as a video enhancement device, the Flyer is not the best solution for professional audio. Flyer

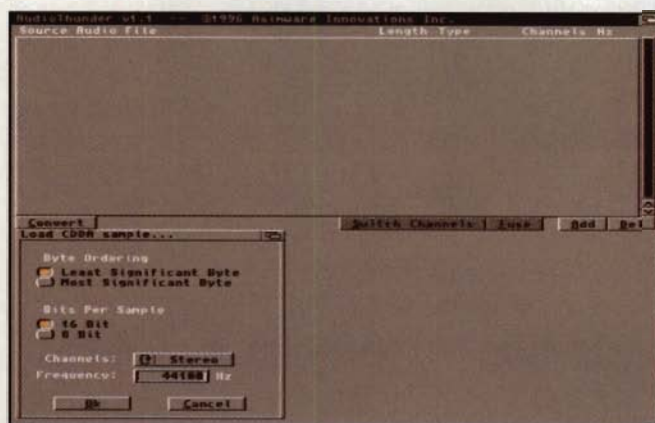


Figure 1. Audio Thunder has an easy-to-learn interface, allowing you to step through the conversion process without much advance study.




Figure 2. You can target the format choice desired from Audio Thunder's list, and also decide if the new conversion will overwrite the original file.



# Turtle Lightning Amiga Software, Amigas Best Software Store

**VALUE PACK # 6:** INFOFILE database, F-40 Pursuit, Parts Of Call, Who/What/When, Mastertype. All For \$ 7  
**VALUE PACK # 10:** MAXIPLAN PLUS V2.70, P.O.C., ZANY GOLF. GET IT ALL FOR \$ 9  
**VALUE PACK # 99:** DELUXE PAINT 4 (AGA), WORDSWORTH, PRINT MANAGER, + 2 Free GAMES: Dennis & Oscar \$ 37.95

## GREAT TLAS DISKS FOR \$1.50 EACH:

HOME & BUSINESS:	GAMES:	GAMES:	EDUCATIONAL:
116-SPREADSHEETS	22-YATZEE (3-Games)	812-SCORCHED TANKS	800-MATH WIZARD
288-LABEL Printers	24-Wheel Of Fortune	837-TANKX & REUDA	801-CHEMISTRY
287-EASY BANKER	44-DOWNHILL SKIING	925-ZAXXON	853-Night Math Attack
289-VIRUS KILLERS	70-MISSILE COMMAND	926-CHARR(TANKS)	890-BLACKBOARD
400-BANNER MAKER	80-PAC-MAN	940-SOLITAIRE CARDS	891-AWARD MAKER 2
449-BUDGET	103-TETRIS GAMES	950-DELUXE PAC-MAN	892-PAINT IT (Not 1.3)
472-MULTIDOS/SD	114-LEMMINGS Playable	964-BOWLING (Dem)	893-Picture Math F2.0X
520-TURBO-PAL F1.3	128-SPACE GAMES	1034-EXTREME Racing (Dem)	894-KIDS DISK 5 F2.0X
620-QUICKPAL F2.0X	136-HATE(Zaxx-Clone)	1043-Obsession PINBALL (Dem)	938-Am-DOS Manual 2.0x
635-SONIX DRUM KIT	137-BLACKJACK	1049-CAPITAL Punishment(Dem)	981-ALPHABET TIME
741-Kick 1.3 INSTALL	148-BOULDER DASH	1055-NEMAC & DEMON	982-EARLY NUMBERS
788-Best Disk Copiers	162-VIDEO POKER	1058-AB F2.0X- GAME CHEATS	983-FRACTION ACTION
815-Magic Magic Bench	240-CHESS & PACER	1056-ZEEWOLF (Dem)	984-The Music Connection
821-Disk Salvage 2.0X+	245-CHECKERS	1530-KINGPIN AGA (Dem)	985-Guitar & Piano Tutor
902-S-KICK F2.0X	255-PINBALL	1532-Tank Attack 1-Meg	986-CATS 'An Insligh'
905-Newtoons F2.0 HD	328-TRIX / WRANGLE		
949-ZIP & UN-ZIP	349-OXYD		
978-THE LOTTO	378-DOMINOS & CARDS	188-STAR CHARTING	1032-LZX-UN-LZX
1031-AWEB	433-SCUD-BUSTER	338-CROSSWORD GEN.	1041-TUDE F2.0X
1048-MUI 3.3	684-ULTIMATE RIDE	345-COMPUTER TUTOR	1053-DIALER
1120-3.0/2.0X Degraded	728-TRODDERS	350-DESERT STORM	
1507-Birthday History	766-Desert Strike (DEM)	399-BIBLE PROSPER	
844-Heavy Metal Music	772-POPEYE	495-MATH PLUS	
852-Church Music	796-MEGABALL 3 aga/ecs	669-COLORS/MATH	
856-DOS Tutor F2.0X	797-FIRESTORM (Dem) *	719-ASTRONOMY	
		783-LITTLE TRAVELER	

<b>VALUE PACK # 3:</b> PHASER 'home finance manager,'	<b>SUNDAY:</b> 12 - 6 pm
Who/What/When, Mastertype, F-40, Hole In One \$ 7	Mon-Sat: 9 am - 9 pm
<b>VALUE PACK # 2:</b> DELUXE PAINT 2, PARTS OF CALL	<b>BIBLE SEARCH:</b>
KINDWORDS Wordprocessor. ONLY -> \$ 5	3-DISK SET \$ 6.00
<b>FONT-PAC:</b> 6-DISKS WITH HUNDREDS OF FONTS	\$ 8
<b>CLIPART-PAC # 3:</b> 6-DISKS -WORK, PEOPLE, SIGNS	\$ 8
<b>CLIPART-PAC # 4:</b> 6-DISKS -Religion, Sports, Animals	\$ 8
<b>TEMPLATE FOR D-PAINT:</b> FITS TOP OF KEYBOARD	\$ 9
<b>2.04 ROM KIT FOR A500 / A2000:</b> 2.04 ROM, 2.05 Software & Books	\$ 59
<b>S-K BUNDLE:</b> FUSION PAINT, CRAZY CARS, HOLE IN ONE MINATURE GOLF, KINDWORDS, SUPER SKI 3-D.	ALL 5 FOR ONLY -> \$ 5

CD SUPER SALE:	
AMERICAN HERITAGE DICT.	\$ 2.95
AMINET 8 OR 9 (SPECIFY)	9.95
AMINET 11 OR 12 (SPECIFY)	12.95
AMINET 13, 14, 15 (SPECIFY)	18.95
BATTLE CHESS	12.95
CHAOS ENGINE	5.95
DEFENDER OF THE CROWN	7.95
EUROSCENE	2.95
FUN SCHOOL 3	8.95
GROLIER Encyclopedia CD-TV	4.95
GUINNESS DISC OF RECORDS	6.95
JAMES POND ROBODISC 2	9.95
LEMMINGS	9.95
MINDRUN	1.95
POWER PINBALL	2.95
SPORTS FOOTBALL	4.95
TOTAL CARNAGE	9.95
TOWN WITH NO NAME	1.95

## GREAT DEALS ON AMIGA SOFTWARE : - ALL ON DISK -

ABANDONED PLACES	\$12.95	COLORADO 1.3 Only	\$ 2.95	GUARDIAN AGA	\$ 19.95	OVERRUN	14.95	TARAGHAN (D & D ADV.)	3.95
ACTION FIGHTER	9.95	COUGAR FORCE *	9.95	GUY SPY	14.00	PINBALL 'Dreams' ECS	32.95	TEAM SUZUKI ' (CYCLE)	7.95
Adv. Of WILLY BEAMISH	14.95	COVERT ACTION	4.95	HARLEY DAVIDSON *	7.95	PINBALL 'Fantasies' AGA	29.95	TEAM YANKEE (War Gm.)	11.95
AFTER BURNER	9.95	CRIBBAGE & GIN	9.95	HEIMDALL 2 AGA	12.95	PINBALL 'ILLusions' AGA	29.95	TERMITE (2.0 & 3.0x Sys.)	37.00
ALADDIN AGA	23.95	CRIME Doesn't Pay	9.95	Heroes Of The Lance *	2.95	PINBALL 'Mania' AGA	29.95	TETRIS	6.95
ALIEN 3	9.95	Cruise For A Corpse	8.95	HILL Street BLUES *	2.95	PINBALL 'Prelude' AGA-ECS	29.95	The Combo-Disk (WP, Music)	6.95
ALIEN BREED 3-D AGA	34.95	Curse Of Azur Bonds	9.95	HOOK 'Captain'	14.95	PINBALL 'Slam-Till' AGA	32.95	THEME PARK AGA	19.95
ALIEN BREED 3-D 2 AGA	39.95	CYBER-BLAST *	9.95	HOUSE OF FLUX	1.95	PINBALL 'TankEngine' AGA	19.95	THEME PARK MYSTERY *	2.95
ALTERED DESTINY *	9.95	CYBER-PUNKS	4.95	HOVERFORCE	9.95	PINBALL 'Soccer' ECS	14.95	Thomas Collection (KIDS GAMES)	27.95
ALTERED BEAST* (Low Inv.)	17.95	CYTRON	9.95	HUDSON HAWK	9.95	POPEYE 2 *	9.95	Thomas Electronic Paintbox	22.95
AMIGA VISION *	11.95	DARK CENTURY	6.95	Humans 3 Evolution AGA	37.95	POPULOUS 2	18.95	THUNDER BLADE (Combat)	11.95
AMIGA VISION PRO	19.95	DEATH MASK	5.95	Impossible Mission AGA/ECS	9.95	PREDATOR 2 1.3 Only	14.95	THUNDER Bay F/ 1.3 Only	2.95
AMIGA-CLIPS Sounds	7.95	DELUXE MUSIC V.2	57.95	INDIANAPOLIS 500	18.95	PRIME MOVER	5.95	Thunder Hawk (Copter combat)	9.95
ANARCHY	9.95	DELUXE PAINT_2	2.95	International Sports Chall.	7.95	PROJECT-X	9.95	TOTAL CARNAGE *	17.95
APIDYA (Adventure)	7.95	DELUXE PAINT_3	14.95	IRON TRACKERS	7.95	PUSH OVER	11.95	TOTAL ECLIPSE	3.95
ARMALYTE	6.95	DELUXE PAINT_5	109.95	JAGUAR XJ-220	16.95	QuickWrite Wordprocessor	8.95	TransWrite Wordprocessor	12.95
ARTHUR	3.95	DESERT STRIKE	22.95	James P. 2 Robocod AGA	6.95	RAMBO 3 *	4.95	TRIAL BY FIRE	12.95
ATOMINO	7.95	DICK TRACY	7.95	JOE BLADE 1.3 Only	2.95	RED ZONE (Motorcycle)	12.95	T V TEXT Professional	6.95
BACK TO THE FUTURE 3	7.95	DINO-WARS *	4.95	John Madden Football	18.95	Rings Of Medusa 1.3 Only	4.95	UFO Enemy Unknown ECS/AGA	15.95
BADLAND PETE *	9.95	Disney Animation Studio *	32.95	JUNGLE STRIKE AGA	22.95	Rise Of The Robots HD, AGA	17.95	UNIVERSE	27.95
BANSHEE AGA	12.95	D-GENERATION AGA	9.95	KOB	22.95	ROAD RASH (Cycle)	19.95	UNTOUCHABLES	5.95
BARBARIAN 2 *	7.95	DOUBLE DRAGON 2 *	2.95	KILLING CLOUD *	6.95	ROTOX (Space Gm)	4.95	UTOPIA *	22.95
BATMAN	4.95	DRAGON SCAPE	4.95	KINGS QUEST 5	19.95	Sci-Fi Collection	9.95	VIROCOPI ECS/AGA	28.95
BATTLE-STORM	7.95	DRAGONSTONE	12.95	KINGPIN BOWLING	24.95	SEEK AND DESTROY	12.95	Virtual Karting AGA	18.95
BAT 2	19.95	DUNE 2	19.95	KNIGHT FORCE	6.95	SENSIBLE GOLF	37.95	VINDEK (Space Fighter)*	2.95
BIG BUSINESS *	6.95	Dungeon Master 2 020+	38.95	Knights Of Crystalion	12.95	Sensible Soccer '95-96	33.95	WARZONE *	12.95
BIRDS OF PREY	27.95	EXILE = 22.95, AGA=	37.95	LEANDER	11.95	SLEEPWALKER	17.95	WATCHTOWER AGA	28.95
BLASTER	4.95	EXTREME Racing AGA	22.95	LEMMINGS 2 'TRIBES'	28.95	SHADOWLANDS *	9.95	Wild Streets 1.3 Only	4.95
B L I T Z BASIC 2.1	47.95	FEARS AGA	27.95	LEMMINGS 'World' AGA	38.95	Shadow Of The Beast 3 *	9.95	WING COMMANDER	22.95
BLUES BROTHERS	4.95	FIELDS OF GLORY	14.95	LEMMINGS 'Oh No More'	21.95	SHADOW WARRIORS *	4.95	WIZ 'N' LIZ *	9.95
Body Blows Galactic AGA	6.95	FIRE POWER	8.95	Lemmings Add-On	4.95	SILENT SERVICE 2	21.95	WONDER DOG	9.95
BOMBER BOB 1.3 ONLY	7.95	FLAMES OF FREEDOM	4.95	Lemmings 'Christmas'	7.95	SIM CITY 2000 AGA	28.95	WORLDS AT WAR	6.95
BOPPIN 'Accursed Toys'	3.95	FLASHBACK	CALL	LION KING AGA	22.95	SINK OR SWIM	6.95	Worms (68020+)	32.95
BRAVO ROMEO DELTA	11.95	FULL METAL PLANET	14.95	MARVINS ADVENTURE	14.95	SKELETON KREW AGA	12.95	Worms 'Directors Cut'	39.95
BREATHLESS AGA	31.95	F-15 Strike EAGLE 2	14.95	MATH BLASTER PLUS	4.95	SKYBLASTER *	1.95	XP-8	36.95
BRIAN THE LION	28.95	F-29 RETALIATOR	7.95	MAVIS B. 2 TYPING	28.95	SPACE QUEST 4	12.95	ZEEWOLF (Helicopter)	22.95
BUBBA 'N' STYX	14.95	GENESIA (A-1200)	18.95	MEDIEVAL WARRIOR	CALL	SPACE WRECKED *	9.95	ZEEWOLF 2 'Wild Justice'	42.95
BUBBLE & SQUEAK ECS/AGA	16.95	Genesis (Landscape Gen)	12.95	MEGABALL 4	24.95	SPACE 1889	9.95	ZERO GRAVITY	3.95
BUCK ROGERS *	9.95	GLOBDULE	9.95	MIGHT AND MAGIC 3	14.95	SPERIS LEGACY AGA	19.95	Zool AGA = 6.95, Zool 2 = 12.95	
CANNON FODDER 2	29.95	GLOOM AGA	29.95	Monkey Island 'Secret Of'	16.95	SPIDER MAN *	3.95		
CAPITAL Punishment AGA	CALL	GLOOM Deluxe 020+	32.95	Nigel Mansell Racing AGA	4.95	StarRay OR Stargoose*	3.95		
CIVILIZATION ECS/AGA	29.95	GOLF 'Greens 3-D' *	2.95	NIGHTSHIFT	7.95	Stealth Affair 'Bond' *	6.95		
CLASSIC ARCADIA	7.95	GOLF 'International'	4.95	NIPPON SAFES	9.95	SUBWAR 2050 AGA	16.95		
CLEVER & SMART 1.3 Only	2.95	GOLF 'Jack Nicklaus'	12.95	NORTH & SOUTH *	9.95	SuperBase Personal 2	19.95		
CLOWN-O-MANIA 1.3 Only	2.95	GOLF 'Nick Faldoe'	12.95	ODYSSEY	29.95	Super SKIDMARKS	28.95		
COALA (68020 +)	37.95	GOLF 'PGA TOUR' *	29.95	Operation Combat 2	CALL	Super Space Invaders	12.95		
COLONIZATION	36.95	GRAPHICS STUDIO *	2.95	ORK (With Hint Book)	9.95	SUP-ST-FIGHER 2 TURBO	29.95		
COOL CROC TWINS	19.95	GUNSHIP 2000	27.95	OVERKILL AGA	4.95	TABLE TENNIS *	2.95		

**TLAS - P.O. BOX 30499 - MIDLAND TEXAS 79712** Shipped Within 24 Hrs

SHIPPING & HANDLING U.S. (Minimum) ... \$ 5.00 - C.O.D. Orders ADD \$ 5 - Most Shipped UPS Ground, 2nd AND 3rd DAY AVAILABLE FOR \$ 3 - \$ 4

SHIPPING & HANDLING Canada (Min.) ... \$ 6.00 - Insured Only if Requested - All orders Shipped AIR - Larger Orders Shipped at ACTUAL COST

TELL US ABOUT YOUR AMIGA SYSTEM AND WE'LL HELP YOU AVOID PROGRAMS THE WILL NOT RUN FOR YOU

####-> 2 - FREE CATALOG DISKS WITH ANY PURCHASE <-####

####-> OR GET OUR 6-DISK CATALOG SET FOR ONLY \$ 3 <-####

**VISA MASTER CARD C.O.D. ORDERS/INFO: 915-563-4925 FAX: 915-563-4315**

**OPEN 7 DAYS A WEEK**



# COMPUQUICK MEDIA CENTER

3758 Town & Country Rd  
Columbus OH 43213  
TEL/FAX: 614-235-1180

FOR AMIGA 4000Ts, A1200s  
Used Amigas. All Amiga software,  
peripherals, Repairs.

VIDEO TOASTER SYSTEMS.

**WE TAKE TRADES.**

CONTACT US AT:  
WWW.INFINET.COM/~COMQUICK.  
EMAIL: COMQUICK@INFINET.COM  
For Internet Orders.

Circle 124 on Reader Service card.

users need to utilize other options such as on the Amiga side with the Sunrize Industry boards and the Toccata, as well as on the non-Amiga side with a host of audio formats even further from what the Flyer can digest.

Audio Thunder, therefore, has the potential of serving two Amiga communities: Amiga users who are Flyer equipped, and the wider community of audiophiles who are more in need of a general audio file conversion system. I am not a Flyernaut, so the main thrust of this article is targeted more towards the general Amiga population, those of us that appreciate having audio file conversion at our disposal.

## Flyer Folks

Audio Thunder can read and write the Flyer Audio Clip formatted files. Audio Thunder also features a list of options not resident within the

Flyer, but that Flyer audio users are much in need of from time to time. These include: full audio playback capabilities, resampling of audio segments, basic audio editing (though the Flyer offers a little too), mono to stereo fusion, multiple Clip Time sequencing, and incorporating fades. Audio Thunder can be launched directly from the Flyer environment. A library of Flyer Clips, produced by Sound Ideas, is included on the AsimWare CD-ROM.

## Supported Audio Formats

Both Flyer users and the general population of Amiga audio buffs will want to know what audio files Audio Thunder can read and write. This list includes Flyer Audio Clips, CDDA (standard CD-ROM audio), Studio 16 (files written by Sunrize Industries AD-516 audio digitizer), MAUD (from MacroSystem's Toccata board), AIFF (common cross-platform audio format), WAV (standard PC 16 bit audio file format), and 8SVX (Amiga 8 bit samples).

It's apparent that Studio 16 and Toccata owners will want to add Audio Thunder to their list of software purchases, giving them a broader range of recording and editing options. Just as a size comparison, a 4MB Flyer Clip file converted to a WAV file takes about 2/3 as much hard drive space, and when converted to an 8SVX file takes about half as much space.

## My Uses of Audio Thunder

Several years ago, I spent about six months creating my own library of Amiga 8SVX 8 bit audio samples, the final number of which reached about

1500 samples. I devoted an entire hard drive to storing them. Some time after that, I got a Toccata board, which plays 16 bit samples.

I have always wanted to convert a selection of the 8SVX files to the Toccata's 16 bit format for playback and editing. You can do this on the Toccata itself, but since I also work on other platforms, I have since had the desire to translate some of the samples to WAV format as well. This is something the Toccata does not offer.

With AsimWare's Audio Thunder software, both were made possible. I am now on a mission to translate about seventy of the 8SVX files, and I have flawlessly converted about forty of them with Audio Thunder.

## Conclusion

If you are familiar with AsimWare's range of products for the Amiga, you know that they get revised rather regularly. I am sure that this will also hold true for Audio Thunder, since this is only version 1.0. One area that I think could use some upgrading is to make the editing module a little more extensive, perhaps adding a range of effects and other features.

All in all, Audio Thunder is another example of a definitive Amiga centered product that leads in its field. Consider it a positive investment if part of your Amiga work revolves around manipulating and incorporating audio. Consider it a necessary investment if you are a Flyer owner.

## Audio Thunder System Requirements

**Required:** Amiga computer with AmigaDOS version 2+, hard Drive, 4 Megs of RAM, a CD-ROM drive.

**Recommended:** Amiga 3000/4000/4000T, CPU acceleration, NewTek Flyer, CDDA compliant CD-ROM drive, SCSI controller, 6MB RAM, professional audio card, AsimCDFS version 3.+ (higher versions work better).

Audio Thunder (CD-ROM)  
AsimWare Innovations, Inc.  
600 Upper Wellington Street, Unit D  
Hamilton, Ontario, Canada L9A 3P9  
(905) 578-4916  
info@asimware.com

Sound samples from: Sound Ideas  
105 West Beaver Creek Road, Suite 4  
Richmond Hill, Ontario, Canada L4B 1C6  
(905) 886-5000



Figure 3. Though the editing features are not extensive in version 1.0, they're sure to improve in the next edition.



**Orders Only**  
**800-735-2633**

**VisionSoft**

P.O. Box 4398 Carmel, CA 93921, U.S.A.

Internet: sales@visionsoft.com

Homepage: http://www.visionsoft.com

**Specials**

Wizard 3-button Mouse \$22.95  
Asim CDFS 3.7 w/Fish CD \$49.95  
GVP I/O Extender Card \$119.95  
W.D. 2.5" 540 IDE \$149.00

**Memory Upgrades**

GVP-32 60ns 4mb Simm 99.95  
GVP-32 60ns 16mb Simm 279.95  
1x8-70ns Simm 19.95  
1x8-80ns Simm 17.95  
1x9-70ns Simm 20.95  
4x8-70ns Simm 39.95

**72-pin SIMM Special**

1x32-60ns Simm (4mb) 19.95  
2x32-60ns Simm (4mb) 39.95  
4x32-60ns Simm (8mb) 79.95  
8x32-60ns Simm (16mb) 169.95  
16x32-60ns Simm (32mb) 489.95

**DRAM Special**

1x4-70ns SC Zip 9.95  
1x4-70ns Page Zip 9.95  
1x4-80ns Page Dip 9.95  
256x4-70ns Page Dip 3.95  
256x4-70ns Page Zip 4.95  
1x1-100ns Page Dip 3.00

**Hard Drives**

W.D. 2.5" 540mb IDE 149.00  
Toshiba 2.5" 1.3gb IDE 399.95  
Quantum 3.5" 525mb SCSI 199.95  
Seagate 3.5" 1.08gb SCSI 329.95  
2.5" Hard Drive Cable 8.95  
2.5" Hard Drive Bracket 14.95

**Software**

Alien Breed 3D CD32 (Hot) 19.95  
Aminet Share 4 7.95  
Aminet 14-16 18.95  
Aminet Set 3 39.00  
Aminet Set 4 (New) 42.00  
Amiga Developer CD 1.1 17.95  
Amiga Repair Kit CD 39.00  
Asim CDFS 2.0 22.95  
Capital Punishment AGA 39.95  
CBM Amiga UNIX Multiuser 49.95  
Chaos Engine CD32 9.95  
Deep Core CD32 9.95  
Defender of Crown II CD32 9.95  
D/Generation CD32 9.95  
Directory Opus 5.0 39.95  
Fred Fish CD 15.95  
Eric Schwartz CD Archive 19.95  
Euroscene 1 CD 6.95  
Eye of the Beholder 29.95  
FantaSeas CD 22.95  
Fresh Fonts 1 CD 9.95  
GateWay 3 (New) 19.95  
Geek Gadget 19.00  
Image FX 2.6 225.00  
Insight Technology CD32 19.95  
Lemmings CD 9.95  
Light ROM 3 CD 29.95  
Light ROM 4 CD 39.95  
Magic illusions CD 13.95  
Megaball 4 AGA/Non AGA 18.95  
Microcosm CD32 9.95  
Nigel Mansell's CD32 9.95  
Pinball / SleepWalker CD32 9.95  
Photo CD Manager 32.95  
QuarterBack Tool Deluxe 39.95  
Sports/Football CD32 9.95  
Wild Wheel 9.95  
Wing Commander 29.95  
Word Perfect 4.1 29.95  
Zool CD32 9.95

**Custom Chips**

1.3 Kickstart Rom 13.95  
2.04 Kickstart Rom 22.95  
2.05 Kickstart Rom 26.95  
3.0. Rom for A4000 49.95  
3.1 Rom for A5/600/2000 44.95  
3.1 Rom for A12/30/4000 59.95  
8372A 1mb Agnus 34.95  
8375 1mb Agnus 19.95  
8372B 2mb Agnus (A3000) 39.95  
8373 Super Denise 29.95  
8364 R7 Paula 16.95  
5719 Gary 13.95  
8520 A-1 CIA 12.95  
8520 Surface Mount 23.50  
Super Bmac Rev. 11 29.95  
Super Dmac Rev. 4 42.95  
Ramsey Rev. 7 29.95  
Fat Gary 39.95  
W.D. SCSI Chip 8A 29.95  
A2620-30 ROM Rev. 7 29.95  
A2091 ROM Rev. 7 29.95

**Upgrade Kits**

AS 320 3.1 Kit for A500/600/2000/2500 104.95  
AS 312/330/340 3.1 Kit for A1200/3000(T)/4000 119.95  
Software & Manuals Only 64.95  
All upgrade kits include Manuals, Software and Kickstart Rom(s).

**Peripherals & Hardware**

Guru ROM V.6 (Low Profile) 70.95  
Guru ROM V.6 62.95  
A500 880K Int Floppy Dr 49.95  
A3000T Hi Den Fl Dr 149.95  
A500/1200 Power Supply 49.95  
A2000 Power Supply 109.00  
A213000 Keyboard 79.95  
A4000 Keyboard 89.95  
SafeSkin for A12/20/30/4000 19.95  
Keyboard Adapter A2000 Keyboard to A4000 System 9.95  
KB-10 Keyboard Adapter 39.95  
15-23 Pin Monitor Adapter 24.95  
Vidi Amiga 24RT 224.00  
Ext. SCSI Case 2HH/1FH 159.95  
Ext. SCSI Case 4HH/2FH 219.95  
A520 Video Adapter 15.95  
RCA Video Cable 5.95  
RF Modulator 7.95  
Microway Flicker Fixer 225.00  
ICD AdSCSI 2000 59.95  
Microbotics 1200 Clock 19.95  
CBM 2065 Ethernet Card 239.00  
Micro R&D C64 Power Sup. 35.00

**Mouse & Joystick**

Wizard 3-Button Mouse Biege / Black 560dpi 22.95  
CD 32 Joypad 12.95

**Oregon Research**

Bundle Ibrowse/TermiteTCP 89.00  
Ibrowse 39.95  
Squirrel Jaz/Zip Tools 24.95  
Surf Squirrel SCSI 129.00  
Termite TCP 59.95

**HOT**

**ITEMS**

Amiga Technologies Include CD ROM driver software & Amiga Meeting Pearl III CD  
1241 Q-Drive  
Quad speed external CD-ROM Drive for A1200, via PCMCIA. No additional Interface required.  
Only ... \$179.95

Picasso II Plus / IV Graphics Board \$299.00/439.95

Power Computing LTD (UK) High Density Floppy Drives  
1.76mb XL Internal Drive A4000(T) \$ 89.95  
1.76mb XL External Drive \$119.95

M-tec 68020 A500 Accelerator Accepts Standard 72-pin SIMM \$169.00

Apollo 620 Turbo for A600 68020/25mhz w/FPU \$175.00  
Apollo 1240 Turbo for A1200 68040/25mhz \$375.00

AM-Trade Computer (Germany) High Density Floppy Drives  
A4000(T) A2000  
\$109.00 \$114.00

Alfa Data Multiface I/O Card III 2 Serial & 1 Parallel Ports \$99.95

Turbo Print Pro 4.1 Enhanced Printer Software w/ drivers \$79.95

Epson Flatbed Scanner Action Scanner 2 \$490.00  
ES1000 Scanner 2 \$675.00

GVP I/O Extender 2 Serial & 1 Parallel Ports \$115.95

Amiga Technologies A4000T System  
040/25mhz/6mb/1 gb HD 060/50mhz/6mb/1 gb HD  
A1200 HD System  
68020 14mhz CPU, 2meg Chip RAM 880 Floppy Drive, Hard Drive Magic Software Bundle  
1438S Monitor  
14" tube, anti-glare, 28mm dot pitch, Hori 15-40kHz, Vert. 45-90Hz  
M1764 Monitor  
17" diagonal FST Invar Mask, 28mm dot pitch, Hori 15-64kHz, Vert. 45-125Hz  
Call for Pricing

**CD ROM Drives**

NEC 4X SCSI Int/Ext 115/175.00  
Teac 6X SCSI Int/Ext 209/269.00  
NEC 8X SCSI Int/Ext 239/299.00  
CD ROM Driver for All Amigas  
ASIM CDFS 3.7 w/ Fred Fish CD  
Special Price: \$49.95

**Math-Co Processor & CPU**

M68882 25mhz FN-PLCC 35.95  
M68882 33mhz FN-PLCC 39.95  
M68882 40mhz RC-PGA 55.95  
M68882 50mhz RC-PGA 69.95  
M68010 CPU 15.50  
68030RC 40mhz 75.95  
68040RC 25mhz 95.95  
Crystal Oscillators 8.95

**QuikPak**

Internet Starter Package I 27.50  
A4060T 060/50mhz Accel. 879.00

**EXPANSION SYSTEMS**

DataFlyer SCSI 4000SX 83.95  
DataFlyer SCSI 4000 SX-25 88.95  
DataFlyer SCSI+ 1200 98.95  
DataFlyer SCSI+ 4000 78.95  
DataFlyer 2/3000 IDE 78.95  
DataFlyer 2/3000 SCSI 88.95  
DataFlyer 8mb Ram Board 88.95  
DataFlyer 500 SCSI 149.00  
Baseboard 1200 19.95

**dkb**

SpiFire SCSI II Card 79.00  
Rapid Fire SCSI II Card 135.00  
MegaChip for A500/2000 185.95  
MultiStart II for A500/2000 25.95  
3128 Expansion Board 189.00  
Cobra 33 for A1200 149.95  
Cobra 40 for A1200 195.95  
Ferret SCSI II for A1200 89.00  
The Clock for A1200 13.95

**Apollo**

1230 Turbo 030/50mhz 239.00  
1260 Turbo 060/50mhz 759.00  
1230/1240 SCSI Module 129.00  
2030 Turbo 030/882 25mhz 299.00  
2040 Turbo 040/25mhz 449.00  
2060 Turbo 060/50mhz 849.00  
4040 68040 40mhz SCSI-II 629.00  
A500/2000 2mb Chip Ram 179.00

**Phase 5**

Blizzard 2060 ERC for A2000  
CyberVision 64 3D for A3000 & A4000  
CyberStorm II 68040ERC 40mhz Available Soon  
CyberStorm Mark II 899.00  
CyberStorm SCSI Option 199.00  
CyberVisio 64 Memory 79.00  
CyberGraphics Software 49.00  
Blizzard 2060 Turbo 899.00  
Blizzard 1230 IV Turbo 269.95  
Blizzard 1260 Turbo 799.95  
Blizzard 1230/1260 SCSI 169.95

**Modems & Telecom.**

Supra Fax 14.4 Ext. 79.95  
Supra Fax 33.6 Ext. 199.00  
Supra Express Fax 33.6 Ext. 149.00  
Supra Sonic 33.6 Ext. 269.00  
AWeb-II V. 2.1 (New) 44.95  
Serial/Null Modem Cable 7.95

Tech (408) 626-2633  
Fax (408) 625-6588  
BBS (408) 625-6580



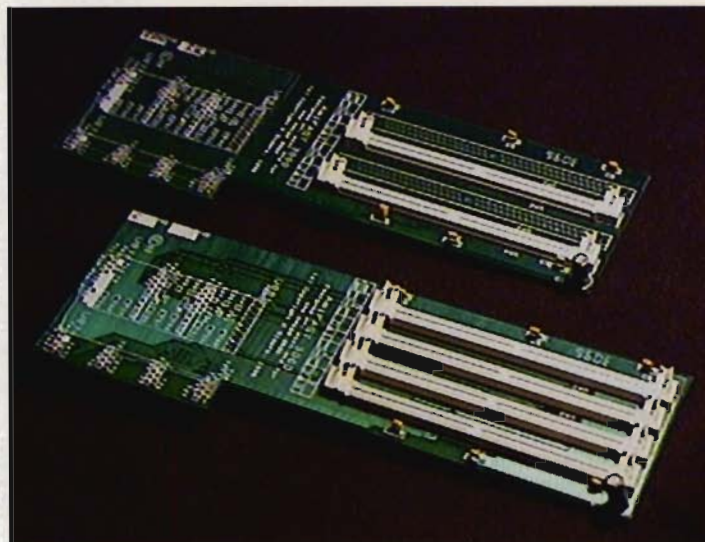
Visa, Master and Discover Card orders are accepted with no surcharge. We also ship COD only in payment of Cash, Cashier's Check or Money Order. All returns must be returned and accompanied with a RMA# within 15 days. Defective products will be replaced with the same item only. Software is non-returnable. Other returns subject to 25% restocking fee. Shipping & Handling charges are non-refundable. Price & availability are subject to change without notice. We do not guarantee hardware and software compatibility. We are not responsible for any typographical errors.



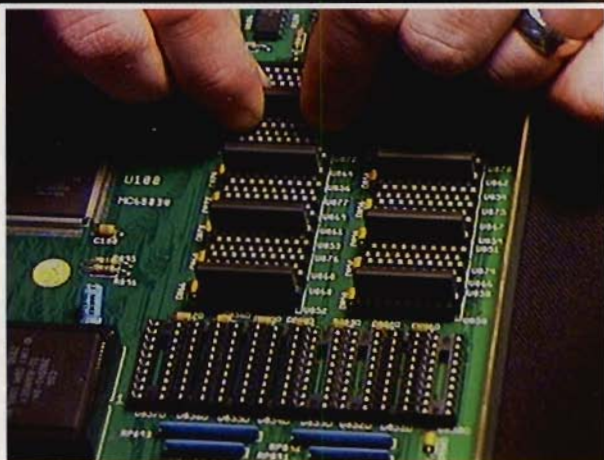
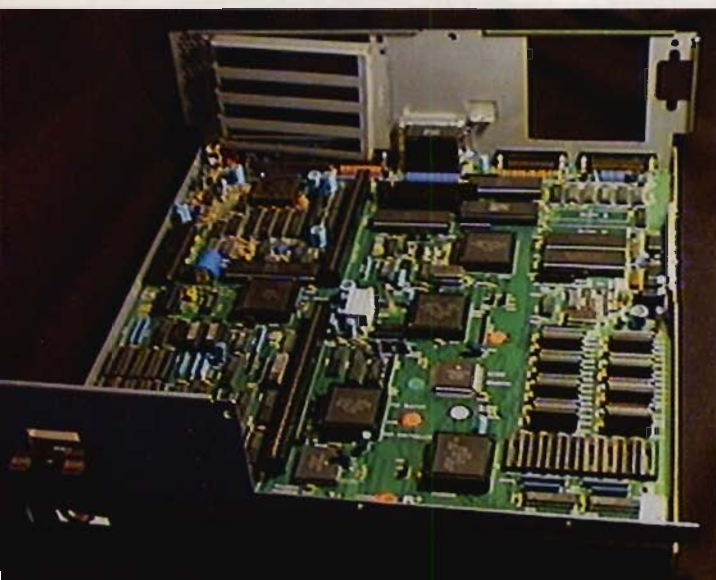
# Installing the *AmiFAST 3000*

Improve your Amiga  
3000's capacity with  
standard 72-pin SIMMs.

Although the Amiga is not the memory hog that other computer platforms have come to be, it still can benefit from expansion. The Amiga 3000's main expansion port is through the ZIP area. Unfortunately, ZIP memory is not the industry standard (created by those same memory hogs) and so it is not always plentiful or inexpensive. ProvTech, from Washington,



ProvTech makes the AmiFast 3000 in different configurations. The board at the top will use double sided 16-chip SIMMs while the board on the bottom will only work with 8-chip single-sided SIMMs.



The AmiFast connects through the ZIP memory expansion area (top-lower right portion). All of your ZIPs must be removed to make room for the expansion board.

Indiana, has created an expansion board that solves these problems and allows Amiga 3000 owners to expand their machines with 8-chip 4MB or 16-chip 8MB SIMMs available anywhere from STAPLES to CompUSA (or your favorite Amiga Dealer—of course).

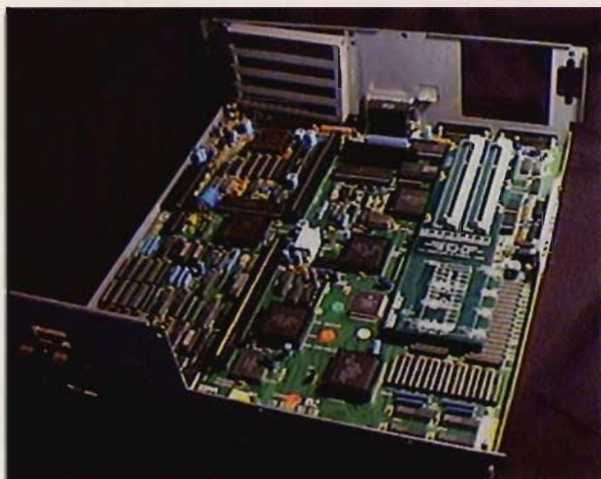
While ProvTech sells the AmiFAST for \$89 direct and most stores sell the 16-chip 8MB boards for \$49 or less, this means that you can expand the Amiga 3000 to 16MB (using two SIMM boards) for under \$200.

The only problem is AmiFAST 3000 requires 8 chips per side. You must physically look at the boards to be sure they are the correct configuration for this assembly. ProvTech officials have told *Amazing Computing* that they believe the problem is in the way the memory chips are refreshed. They have not yet discovered a way around the problem.

Our installation began by attempting to secure the correctly configured devices. Unfortunately, we spent a long time on hold while companies very politely told us that they did not know what we wanted. Undaunted, we contacted the technical hotline of one of the largest retail suppliers of memory SIMMs, PNY.

After a long time on hold (PNY maintains a 24-hour technical hotline that must be called at least once by everyone who owns a computer) a very polite technician reviewed what we needed and then asked what stores we had in the area. PNY issues different serial numbers for their devices to different chains. The 8MB board I needed could be purchased at STAPLES with part number 32271. Warning: part number 32271 covers several configurations of the 8MB board. Fortunately, PNY memory boards are in boxes with a display window. It was possible to call my local store and ask someone to look in the window and tell me if the chips were the correct count.





Connecting the AmiFAST board correctly to the ZIP area is difficult, but not impossible. Care is the watch word whenever you have your Amiga open. The SIMM banks are shown below both empty and full. The AmiFAST board rests under your Amiga 3000 power supply and very close to the system fan. Be extremely careful that you have fully inserted the device—although not too hard!

### Cautions

Honestly, procuring the chips was more difficult and took more time than the installation. While this is not a project for a first-time novice. The instructions are very straightforward and the installation proceeded smoothly.

Two cautions must be made here. First, this type of work is always performed at your own risk. If you are unsure of what to do or you have reservations about doing the work—don't. These days there are plenty of service centers who will perform this task for you. Yes, it will cost some money, but you do get some piece of mind.

Second, your Amiga (or any computer) is a robust, hard-working machine—when it wears its cover. Once you take the cover away, you have exposed the Amiga's internal circuits to the outside world. Be careful to keep the computer disconnected from peripherals and power. Also make certain that you are grounded. Any static electricity—no matter how small—that you conduct to the components of your computer could cause immeasurable damage.

### Installation

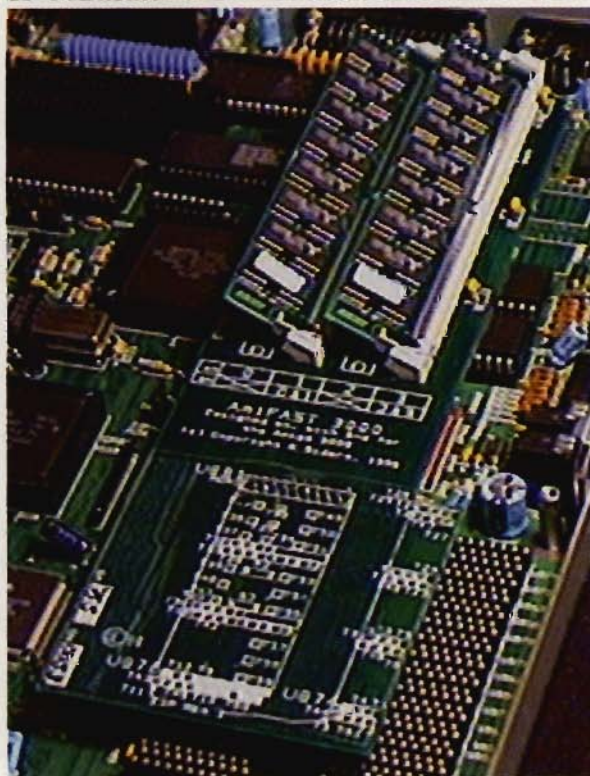
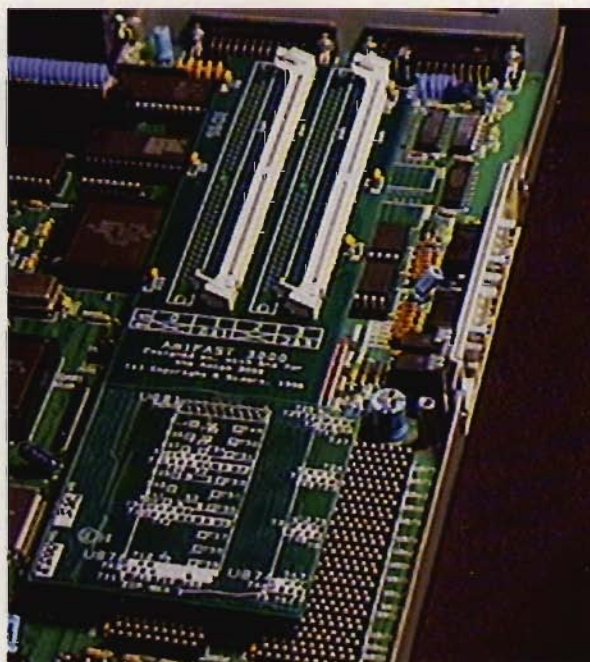
In order to install the AmiFAST board, you must remove the hard drive, power supply, and 3000 expansion board. The AmiFAST connects to the ZIP expansion bank in the right front area of the motherboard. In order to install the board, you must first remove the ZIPs. These ZIPs can be saved for another 3000, sold to a memory buyer, or held onto as a memento.

The trickiest part of the installation is positioning the pins on the underside of the board to the correct spots in the ZIP expansion area. This takes some time, patience, and a second set of eyes from a friend or spouse will help. Once you are certain the pins are positioned carefully per the instructions—carefully push the board into the socket. Once the board is correctly seated, you can install the SIMMs in the special profiled sockets and reassemble your Amiga.

### Conclusions

When you first look at this device, you wonder if it could be that simple. Yes, it can be. It is great to have an Amiga 3000 running 16MB (the max allowed). It is even better to know you did it yourself without losing your shirt in the process.

•AC•



AmiFAST 3000

ProvTech

R.R. 4 Box 72

Washington, IN 47501

Tel: (812) 254-1721 (eve)

BBS & FAX: (812) 257-0902

e-mail: 75507.3170@compuserve.com



# Stretch Your Available RAM to the MAX

**Do you have an old A500 or even an Amiga 1000 with little memory ? Perhaps you can still get some useful work out of them with these special memory saving techniques.**

*By Dave Farquhar*

If you have an older Amiga with 512K or 1MB of memory, you probably aren't doing much with it. But what if you knew how to recover up to 300K of usable RAM?

The old workhorse might just have some energy left in it after all. Even an unaccelerated 7 MHz 68000 is still useful, as long as it has enough memory free to run software. These tricks range from subtle to obvious, but none are too difficult for the typical Amiga user to carry out.

## **Trim the Workbench**

The first trick to saving memory lies in your Workbench screen. An overscanned high-color screen requires more memory (not to mention CPU cycles) than a 2-color 640x200 or 640x400 screen. The bigger screen is nice if you have a display enhancer, but such devices are rare in low-memory Amigas. The lack of color is reminiscent of first-generation Macs, but when memory is tight, it's better served elsewhere. The performance increase received by going to a two-color workbench is also noticeable. Prior to version 2, Workbench did not have provisions for a two-color screen, but older PD programs such as "Add21K" and "1Bitplane," which you can insert in Startup-Sequence, perform that task.

## **Memory Saving Startup**

The real key to saving buckets of memory, however, lies in the modification of Startup-Sequence. Commodore frowned upon this

practice, recommending changes to User-Startup instead, but the practice is safe as long as you save your original startup-sequence and user-startup files so you can revert back to them in case of problems. Also, don't modify your original Workbench disks—only perform this surgery on copies.

Table 1 presents a modified Startup-Sequence for Workbench 2.x. If you have your own commands in User-Startup, add them just before the LoadWB command, as this version omits User-Startup to increase speed. Workbench 1.x users can refer to Table 2 for a modified StartupII.

As an added bonus, these modified startup files will help your system boot faster. They do a number of things to save memory. Unlike most operating systems, the Amiga OS relies heavily on a RAM disk. This speeds operations considerably, but it is hardly worth the price of available memory for rarely-performed tasks.

Workbench 2.x, for instance, puts the preferences in RAM: by default. Since most people rarely, if ever, change these settings, it is hardly worth spending up to 100K of precious memory. These revised files put the clipboard and temporary files in RAM: because running them from floppy could slow system performance.

If you have a hard drive, however, you would probably like to create directories called T and Clips, and point the assignments there. The performance hit is slight, and in the unlikely event of your system crashing

or losing power, you may be able to recover some of your work from the files in those directories. Using these settings, my RAM disk only uses 1K of available memory.

Workbench 2.x owners can recover more memory by moving any unneeded DOSDrivers, Monitors, and Commodities from their respective drawers into the Storage drawer. If you don't have a multifrequency monitor, or only use NTSC video modes, loading the PAL, Multiscan, and Eurodrivers wastes memory.

## **Errant Software**

Even after all of this scrimping, some software may still refuse to run. Workbench 2.x users can recover another 100K or so of memory by running Workbench 1.3. It does run under the 2.x ROMs, and many of the features of the newer versions, such as the enhanced Workbench menus, are retained. Commodore's manuals do not recommend this practice, but all well-behaved software (including, presumably, Workbench 1.3) is supposed to work correctly with the newer ROMs. If risking a slightly higher amount of system stability allows you to run a program you couldn't previously, the risk is probably worth it.

If you are really strapped for memory, there is always the old trick from 1985 when the standard Amiga 1000 had 256K of memory: Don't use the Workbench. While nowhere near as memory-hungry as the GUIs for other systems, Workbench does



consume about 200K of RAM. If you just can't spare 20 percent of your system's available memory, make a special boot disk that lacks the LoadWB command, or, if you can spare 40K of RAM, replaces LoadWB with NewShell—the Shell is, after all, more polished than the CLI. To preserve your Amiga's multitasking ability while in a command-line environment, precede your commands with the Run command to detach them from your shell.

### More Juice than Other Systems

A one-megabyte Amiga, it turns out, is much more powerful and useful than a Mac or PC with a comparable amount of RAM. I wouldn't want to put a one-megabyte unaccelerated Amiga 500 to work as a rendering station or do heavy desktop publishing on it, but considering that Microsoft's Windows 95 and IBM's OS/2 won't even boot with just a megabyte of RAM, it's a pretty amazing trick to get a usable GUI running with such limited computing resources. Being able to run wordprocessing or spreadsheet software on top of that makes it even better.

**Table 1: Revised Workbench 2.x Startup-Sequence**

```
;New Startup-Sequence for low-memory Workbench 2.x machines - Dave Farquhar
C:SetPatch QUIET
Version >NIL:
AddBuffers >NIL: DF0: 15 ;remove this line if you can bear slower floppy access
FailAt 21

Assign >NIL: ENV: ENVARC:
Assign >NIL: T: RAM:
Assign >NIL: CLIPS: RAM:
Assign >NIL: REXX: S: ;omit this line if you don't use Arexx
Assign >NIL: PRINTERS: DEVS:Printers
Assign >NIL: KEYMAPS: DEVS:Keymaps
Assign >NIL: LOCALE: SYS:Locale

IF NOT EXISTS SYS:Fonts
    Assign FONTS:
EndIf

BindDrivers
Mount >NIL: DEVS:DOSDrivers/~(#{.info)

IF EXISTS DEVS:Monitors
    List >NIL: DEVS:Monitors/~(#{.info) TO T:M LFORMAT "DEVS:Monitors/%s"
    Execute T:M
    Delete >NIL: T:M
EndIf

SetEnv Workbench $Workbench
SetEnv Kickstart $Kickstart
UnSet Workbench
UnSet Kickstart

Iprefs

Echo "Amiga Release 2.x, Kickstart $Kickstart, Workbench $Workbench"

Path >NIL: RAM: C: SYS:Utilities SYS:Rexxc SYS:System S: SYS:Prefs SYS:WBStartup SYS:Tools SYS:Tools/Commodities

LoadWB
EndCLI >NIL:
```

**Table 2: Revised StartupII for Workbench 1.x**

```
;Revised StartupII for low-memory Workbench 1.x systems - Dave Farquhar
resident c:Resident pure
resident c:assign pure
;uncomment the following two lines if you use the CLI often
;resident c:list pure
;resident c:cd pure

assign t: ram:
assign env: ram:
assign clips: ram:

;uncomment the next three lines if you use the devices. If in doubt, uncomment - just mounting uses little RAM.
;mount speak:
;mount aux:
;mount pipe:

resident assign remove
resident execute remove ;if you use scripts often, comment out this line
resident resident remove

break 1 C ;signal to other processes it's OK to finish
```

## AMIGA REPAIRS

A500 \$59 • A600 \$89 • A1200 \$129  
A2000 \$89 • A3000 \$129 • A3000T \$179  
A4000 \$179 • CDTV \$59 • CD32 \$119  
A1080/4/4S \$59 MultiScan (NO 1960'S) \$89  
*add-in boards & parts additional*

## AMIGA PRODUCTS

Fon/Fax for availability & prices

## AMIGA PARTS

Fon/Fax for availability & prices

## SPECIALS

A500 & A2000 2MB AGNUS BOARD  
& Chip Removal Tool ONLY \$149.

MULTISYNC REFURB MONITORS  
W/CABLE CHOICE NEC II \$199 3D \$299

ALTEC LANSING CS31 MM SYSTEM  
AMP - SUB WOOFER - 2 SPEAKERS \$99

SUMMAGRAPHICS III TABLETS  
50% OFF LIST - DETAILS FON/FAX

H. D. EXT SINGLE BAY SCSI CASE KIT \$49

## HARD DRIVES

20MB 2.5" IDE 2/\$19 • 20MB 3.5 SCSI 3/\$39

40 MB 3.5 SCSI \$25 • 52 MB 3.5 SCSI \$39

OTHER HARD DRIVES FAX / FON

## Integrated Teknologies Inc

1101 Chestnut St • Suite A • Roselle • NJ 07203  
FAX 908 245-9409 FON 908 245-1313

MON & FRI 1 - 6 PM • WED 1 - 8 PM

FAX US ANYTIME

BUY • SELL • TRADE AMIGA HARDWARE  
FAX COMPLETE LIST W/MODELS ETC

Circle 122 on Reader Service card.



# Keep up with the Latest with AC!



## VOLUME 11.5; MAY 1996

**New Products & Other neat stuff,** Nova Design acquires Aladdin 4D, SoftTalk Programmer kit available, 'Professional' 3D glasses, and much more.

**DPaint Tiled Backdrops,** Creating 3D space in a 2D environment. Among its specialized features, DPaint has intuitive tools for creating perspective tiles. Learn how to utilize one of the hidden talents of the Amiga's well known paint program, by R. Shamms Mortier.

**A Truly Brilliant Idea!** TrueBrilliance's capacity to address and incorporate ANIMbrushes gives it another plus as a tool for the creation of digital artwork on the Amiga, by R. Shamms Mortier.

**On-Line,** Amiga multitasking advantages and three new Web programs: AmiTCP/IP, IBrowse, and AWeb. Learn how to maximize the best feature of the Amiga while you are working on-line, by Rob Hays.

**This Old Workbench Episode One,** Tired of a lackluster performance from your current Amiga WorkBench? Try the techniques and programs in Dave's new series, by Dave Matthews.

**Web Typesetting Part 2: Basics,** Creating a Home Page with your Amiga requires a little knowledge of the intricacies of HTML, by Randy Finch.

**An Interview with QuikPak's David Ziembecki,** Amiga Technologies has selected a new sales organization for the Amiga in North America. Meet the person chiefly responsible for marketing the Amiga as well as developing future Amiga markets on these shores in this AC Exclusive.

**Web Warning!** The same Home Page can yield decidedly different results. Start creating a Web page with the Amiga that everyone will be able to read.



## VOLUME 11.6; JUNE 1996

**New Products & Other neat stuff,** Amiga Internet Starter Package for Canada, Personal Paint for the Internet, new Sample Wrench Sound Editor, five new CD's from GTI GmbH, and more.

**NAB '96,** The National Association of Broadcasters held their annual event in Las Vegas, but the Amiga is slowly disappearing from the show floor, by Don Hicks.

**Travel Through the Digital Universe,** Learn about people, astronomy, spacecraft, astronomical terms, constellations and stars through this CAL (Computer Assisted Learning) program from SYZYGY Research and Technology, Ltd., by R. Shamms Mortier.

**DPaint Morphing,** Although not as advanced or controllable as the high-priced morphing

programs, DPaint offers Amiga users unique and exciting alternatives in their morphs, by R. Shamms Mortier.

**On-Line,** Use client programs to bypass obstructions and ease your way on the Internet, as two shareware programs, Gui-FTP and WebMaker, are discussed, by Rob Hays.

**This Old Workbench Episode Two,** The Workbench as art: personalize your work area with backdrops, icons, and menus. In this episode is covered the GUI aspects of Workbench renovation, by Dave Matthews.

**VIScorp Buys Amiga Technologies,** VIScorp is purchasing Amiga Technologies and will be working with Amiga interests all over the world. Read what the executives of this Chicago firm have had to say so far to the Amiga community.

**Web Typesetting Part 3: More Basics,** Your home page is only a few keystrokes away with these HTML code samples in your documents, by Randy Finch.



## VOLUME 11.7; July 1996

**New Products & Other neat stuff,** GVP has a new home, Amicom introduces a new web installer, Blitz Basic is back, Paxtron has Amiga parts, Shamms Mortier introduces GrafX Tidbits, and more.

**Non-linear Video on a Budget: V-Lab Motion & Movieshop 3.2,** Can't afford the high priced video systems for non-linear editing? The answer may be the V-Lab Motion and its new Movieshop 3.2 software, by John P. Jackman.

**Fun with Lyapunovs,** Create 3D environmental terrain models from the chaotic graphics of Lyapunov space. They are a class of fractal associated algorithms used to visualize a specific condition of fractal space, by R. Shamms Mortier.

**Amazing Symmetry,** Textured files are extremely easy to create and offer the digital artist a few very interesting opportunities. This tool, embedded in DPaint, will help in your obsession to find newer and unique textures, by R. Shamms Mortier.

**On Line,** Travel the internet with the newest Amiga browser, Voyager 1.0, and discover more excellent Amiga web sites, by Rob Hays.

**JAZZ.BIT 96,** Why is a major computer art competition held in Finland? An interview with Martin Keitel, the arts manager of JAZZ.BIT 96, interviewed by Marc R. Hoffman.

**Amiga Wars,** There is a battle for the Amiga user raging on the internet between old and new Amiga firms and a few others. For a system many have tried to write off, the Amiga is attracting a lot of interest.

**Web Typesetting Part 4: Publishing & Tables,** How to get your beautiful Home Page on the Web for the world to see. Also, delve into one of the most popular additions to the HTML 3.0 standard known as tables which allow data on a Web page to be structured in a row and column format.



## VOLUME 11.8; AUGUST 1996

**New Products & Other neat stuff,** VIScorp reaches Amiga Technologies agreement, Cronus distributes new CDs for Developers and more, Sony Electronics releases DKC-ID1 Digital Camera, World Construction Set Version 2, and more!

**ImageFX 2.6,** The Amiga's premiere graphics manipulation tool has just taken a quantum leap in abilities, reviewed by R. Shamms Mortier.

**An Interview with the Nova Team,** Amazing's Graphics reporter and admitted ImageFX and Aladdin 4D addict discussed Nova's current plans with the Nova team, by R. Shamms Mortier.

**Amiga Handshaking,** The Amiga's IFF standard allows users to utilize the best of several different programs to create a unique image or animation, by R. Shamms Mortier.

**On Line,** There is a mountain of powerful software in the Aminet collection. Protection for your SCSI and IDE hard drives as well as a better CD-ROM OS utility which includes unique audio CD ROM capabilities are just a few, by Rob Hays.

**POV Ray Tracer 3.0 Sneak Peak,** Persistence Of Vision 3.0 is now in beta testing. Discover the new tools and features as well as learn where you can try it out for yourself, by Dave Matthews.

**Amiga Wars Part 2,** Amiga Technologies is sold to VIScorp as pios and phase5 continue to jockey each other for market and negotiating positions.

**Olafson's Guide to Amiga Baseball,** Tired of the nation's pastime passing you by? Peter has composed all list of some of Ami's times at the plate that you can find from dealers, Amiga swap meets, and maybe in your own library.

**Web Typesetting Part 5: Forms,** Creating forms on your web page is incredibly easy and the information gained can help you build a better page, by Randy Finch.



## VOLUME 11.9; SEPTEMBER 1996

**New Products & Other neat stuff,** New Amiga business software, a new Aminet collection, and the Amiga is seen working at the Olympics!

**The Not At All Complete Graphics CD-ROM Compilation Digest,** There is a world of possibilities in every graphic CD-ROM, by R. Shamms Mortier.

**Cinema4D Animation Tutorial: Part 1,** Although AC will stick to the basics, don't think that Cinema4D is capable of anything less than a professional application. Cinema4D is capable of Keyframe, path, hierachial, inverse kinematic, and special FX (explosions, melts, and more), by R. Shamms Mortier.



On Line, Frustrated with your attempt to connect to the Web? Try a trip to Miami, by Rob Hays.

Web Typesetting, Part 6: Reading Form Data, Catching user information from your web site, by Randy Finch.

This Old Workbench, Part 3 Compression on the Amiga, Create needed space on your Amiga on-the-fly, by Dave Matthews.

Make Do With What You Got, In art or in life, it is not always how much you have, but what you do with it, by R. Shamms Mortier.

ESCOM Dies The Amiga Lives! Hear the behind the scene story from the two main characters, Petro Tyschtschenko of Amiga Technologies and Bill Buck of ViScorp.

Gold From 1990? What does this array of equipment from 1990 have to do with current events? The Amiga's influence is continually being felt.



#### VOLUME 11.10; OCTOBER 1996

**New Products & Other neat stuff,** New Game collections, printing solutions, Amiga software repair, backup software, designer software, and more.

**The Gothic Church: Part 1 A Tutorial in Aladdin 4D,** Tired of the prominence of futuristic themes in 3D design, then take a look at this first part in a series of tutorials explaining the process of modeling in a 3D setting that evokes the past, by Charles F. Cavanaugh.

**FinalWriter 5,** Each release of FinalWriter has added new tools and techniques to its abundant reservoir of options, and release 5 is a very major upgrade that adds a whole list of enhancements, by R. Shamms Mortier.

**On Line, Join Team Amiga,** fix old games to play again on your upgraded Amiga, find old friends or classmates, and more, by Rob Hays.

**This Old Workbench, Episode 4: Just when you thought it was safe!** Our intrepid adventurer has discovered even more ways to improve (or at least confuse) your WorkBench screen, by Dave Matthews.



#### Volume 11 Number 11; NOVEMBER 1996

**New Products & Other Neat Stuff,** SoftLogik announces both PageStream 3.1 and 3.2, Amiga Fest '96 planned for Toronto, Checkbook Amiga, and more.

**Cinema 4D: Tutorial #3 Basic Keyframe Editing,** Shamms uses some of Cinema 4D's object design and texturing tools to begin a dedicated look at these animation options.

**The Gothic Church: Part 2 A Tutorial in Aladdin 4D,** In this installment, Mr. Cavanaugh shows the Amiga user how to produce stained glass windows to rival the masters.

**Real Chaos and the Computer Artist, Musings on a Muse,** In computer art, a pinch of chaos in the recipe is the spice of a creative and worthwhile adventure.

**On Line,** A quick comparison of some of the Web authoring tools available through shareware.

**Web Typesetting, Part 8: Image Maps,** Create images that, with a few clicks of a visitor's mouse, make your home page truly interactive.

**PC2Amiga: Connect Your Amiga and PC,** Finally a way to use those clunky old MS DOS machines. PC2Amiga allows you to mount your PC as an Amiga device.



#### Volume 11 Number 12; DECEMBER 1996

**New Products & other Neat Stuff,** new Amiga system packages, Portal finds a new home, Amigas now available by on-line sales, and more.

**3D Table Building,** Without realizing it, you have at your disposal some of the most unique development tools for creating 3D objects imaginable: your word processing and painting software by R Shamms Mortier

**The Gothic Church: Part 3 A Tutorial in Aladdin 4D,** Mr Cavanaugh explores a set of tools used to create magical special effects. The tools are gas, wave, flare, and fountain systems all fully integrated into the Aladdin workspace by Charles F Cavanaugh.

**On Line,** More Web authoring tools available on-line, plus the latest news on Portal and more by Rob Hays.

**Web Typesetting, Part 9: Frames,** Frames are the next big thing on your web site. Also, more reader's sites from the web by Randy Finch.

**Using an IDE/ATAPI CD ROM with an Amiga 1200 or A4000,** Since IDE supports two devices, if you only have a single hard drive, wouldn't it be nice to use the free IDE port a CD-ROM? by Dave Matthews.

**This Old Workbench: Episode 5 Renovation from the Ground up!** What would you want to see in a new Amiga Operating System? by Dave Matthews



#### Volume 12 Number 1; JANUARY 1997

**New Products & other Neat Stuff,** MathScript v3.0, Directory Opus 5.5, amiSpider, and Big ED are all now available. Plus Cronus introduces three new CDs, the Guru-ROM V6 A2091 can improve your GVP SCSI adaptor, and more.

**Halftone Screens for Video Projects,** While moire patterns are a problem on the printed page, they can be a boon to the Video Artist by R Shamms Mortier.

**Stack'em, Dan-O! Using Layers to Create Outline Effects,** Layering or stacking is an easy method to create wider and cleaner outlines by Nick Cook.

**Color Use on the Web,** A Web designer has a global audience of potentially hundreds of millions of viewers every day. Awareness of the cultural differences in the perception of color is a must by R Shamms Mortier.

**On Line,** Searching through the World Wide Web can be a lot easier with the right tools by Rob Hays.

**Web Typesetting Part 10: Today and Tomorrow,** Randy Finch completes his series on Web publishing by looking at the future of the Web and the questions we must ask today.

**The Midwest Amiga Exposition,** Users from as far away as Texas come together in Columbus for the Amiga by Robert K Sharp.



#### VOLUME 12.2; FEBRUARY 1997

**New Products & Other neat stuff,** ViScorp announces a change in their bid status, Aurora Works begins Amiga development, and Air Mail for Amiga email is released.

**Columns with Personality,** Create personality in your art by capturing the personality of your 3D objects with one of the powerful 3D programs available for the Amiga, by R. Shamms Mortier.

**PageStream 3.2,** PageStream 3.2 and Tune-up 3 is the main Desktop publishing package on the Amiga. Just what does this new version add to the versatility of the program that is Amiga's answer to this Mac and IBM dominated field.

**Roughing the Text,** The Desktop Publishing tutorials continue with Nick's unique approach of applying image filters to text for dramatic results, by Nick Cook.

**On Line,** Amiga email programs once were difficult to set up and run properly. However, they have matured to the point where they no longer need be feared, by Rob Hays.

**Ultimate Amiga Emulator, UAE,** Ultimate Amiga Emulator, emulates an Amiga 500's hardware on a variety of platforms, including Unix, Linux, (Power)Mac, DOS, and even the BeBox, by Dave Matthews & Marc Hoffman.

**VTU EXPO '96,** Universal City was the site of VTU's last exposition. Many new products were announced as well as the return of some old standbys.

**AmigaFest '96,** Toronto once again played host to a major Amiga outing with dozens of Amiga companies showing new products from around the world. Amiga made the most of their central spot in ComputerFest, one of Canada's largest general computer shows.

# #1

With Amazing, the reader is always number 1.



## Amazing Computing & AC's TECH

### SUPER Back Issue SPECIALS!

While supplies last!

Order complete volumes of  
*Amazing Computing* and *AC's TECH*  
Back Issues at these incredible prices!

#### ANY 12 BACK ISSUES

*Amazing  
Computing:*  
**\$29.95**

**\$20!**  
(\$25 Foreign)

#### ANY 4 BACK ISSUES

*AC's TECH:*  
**\$45.00**  
**\$40!**

All Prices Include  
shipping & handling

Don't miss out on this great offer!

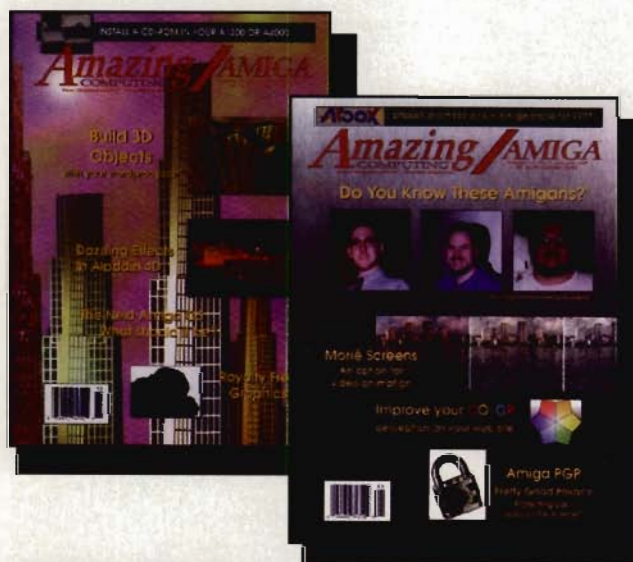
**Call: 1-800-345-3360**

## List of Advertisers

	Page	RS#
ANTI-GRAVITY WORKSHOP	7	128
CHAOCITY	10	101
COMMODORE COUNTRY	44	105
COMPUQUICK MEDIA CENTER	32	124
GATEWAY COMPUTER SHOW	12	125
GRAPHIC DETAIL	14	137
HAMMOND PHOTOGRAPHIC SERVICES	6	103
INTERGRATED TEKNOLOGIES INC	37	122
LIAGE INTERNATIONAL INC	47	112
MICRO R&D	46	110
NEWTEK	11	140
NOVA DESIGNS	CIV	106
OZWARE	15	130
PAXTRON CORPORATION	CIII	123
PAXTRON CORPORATION	43	135
PROVTECH	9	134
QUIKPAK	CII,1,2	111
SAFE HARBOR	41	113
SELECT SOLUTION	5	115
SOFTWARE HUT	24-25	119
STARK REALITY SOFTWARE	46	126
THE REPRINT DEPARTMENT	46	N/A
TLAS	31	127
TOY SOFT DEVELOPMENT	6	143
VISIONSOFT	33	120
VISUAL INSPIRATIONS	13	145

When contacting an advertiser, please tell them you  
saw their ad in *Amazing Computing*.

Great magazines don't just happen.  
They are built one issue at a time.



## Become An Amazing Writer

Amazing Computing is always searching  
for contributing authors. If you want to  
share your experience, your knowledge, or  
your insight in the many different areas of  
the Amiga, write us today:

**AC Writer's Guideline**  
**Amazing Computing**  
**PiM Publications, Inc.**  
**P.O. Box 2140**  
**Fall River, MA 02722**

## Moving? Don't forget to tell your friends!

Stay in touch. Inform us of your move so we can continue to inform you of the Amiga market-  
place. Send old and new address to: Subscription Services, Amazing Computing Magazine,  
PiM Publications, Inc., P.O. Box 2140, Fall River, MA 02722.



**TO ORDER**  
**CALL 800-544-6599**  
 MON.-FRI. 8-6, SAT. 9-5 CST  
 INFORMATION 414-548-8120 • FAX 414-548-8130  
 TECH SUPPORT/RMAS 414-548-8159 • 2-6 PM, Mon-Fri.

**www.sharbor.com**  
 The place to be for the latest  
 news, coolest products and  
 hottest prices.  
**CHECK US OUT TODAY!**



## SOFTWARE

Art Effect 1.1.....	198.00
Audio Thunder.....	69.99
Capital Punishment.....	41.99
Control Tower.....	199.00
Co-Pilot Audio.....	95.00
Co-Pilot Video 1.0.....	95.00
Decision Maker.....	299.00
Diavolo Backup.....	Call
Digital Universe.....	125.00
drawSTUDIO.....	119.00
Final Writer Lite.....	33.00
ImageMaster RT.....	75.95
Impact! 1.05.....	195.00
Inter. Flow Charter.....	21.99
MacroForm 2.0.....	229.00
Monument Designer V2f.....	249.99
PageStream 2.2SE.....	39.00
PageStream 3.0i.....	179.00
Personal Paint 6.4.....	59.00
ProVector 3.....	179.00
Scala MM400.....	339.00
StormC 1.1.....	398.00
Turbo Calc 4.0.....	59.00
TypeSmith 2.5.....	39.00
WordWorth 6.0.....	119.00
WordWorth Office.....	99.00
World Construction Set 2.0.....	369.00
YBT.....	89.99



① Termit TCP/iBrowse.....	89.00
② Studio Printer II V2.13.....	84.00
③ A Web-II 2.1.....	45.00
④ Iomega ZIP/JAZ Tools.....	25.00
⑤ iBrowse.....	44.00
⑥ CyberGraphX Software.....	49.00
⑦ Boing! Optical Mouse.....	74.99
⑧ Enprint 2.1.....	29.99
⑨ Image F/X 2.6.....	225.00
⑩ Aminet CD V14.....	19.00

## HARDWARE

CSA Derringer 50MHz.....	419.00
FlickerFixer.....	265.00
Harddrives, Seagate Ultra.....	Call
Hydra Ethernet.....	299.00
JAZ Drive, Iomega 1GB, Ext.....	499.00
Mouse, Boing!.....	74.99
Picasso II+ Display Board.....	345.00
RocGen Plus.....	195.00
Scanner, Epson 1000C.....	615.00
Syquest EZ Flyer.....	Call
TBC IV.....	795.00
Trackball - AmTRAC.....	69.99
ZIP Drive, Iomega 100MB.....	199.99
Zip Cartridges 10-Pk.....	145.00

### Macro System

Jog Shuttle.....	349.00
Jog Shuttle/MovieShop.....	425.00
MovieShop F/X #3.....	99.00
MovieShop F/X #4, #5.....	50.00
MovieShop Upgrade.....	95.00
Retina Z3 4MB.....	468.00
Toccata 16.....	499.00
Upgrade Samplitude Pro.....	99.00
VLab Motion.....	1699.00
VLab/Toccata Bundle.....	2095.00
VLab Y/C Int.....	489.00

### dkb

Accel, Cobra 40 MHz.....	199.00
Accel, Wildfire 2000.....	1339.00
SCSI-II HC Rapidfire.....	149.00
SCSI Option Ferret.....	89.00
Spitfire SCSI-II.....	89.00
MegaChip 2000.....	199.00
MultiStart II.....	26.00
1202 Memory Board.....	88.00
3128 Board.....	195.00

### Micro R. & D.

Directory Opus 5.5.....	85.00
Easy Ledgers 2.....	145.00
GP FAX Generic.....	47.99
Mouse, WIZ 560 dpi.....	29.00
Power Supply 500.....	89.99
Power Supply 2000.....	155.99
Speakers, 60 watt.....	29.00

**1987-1997**  
**SAFE HARBOR COMPUTERS**  
**CELEBRATING 10 YEARS OF EXCELLENCE**

## MODEMS

SupraExpress 33.6.....	149.00
SupraFAX 33.6.....	199.00
Sportster 33.6.....	175.00

## EXPANSION SYSTEMS

DataFlyer 500 w/Brd.....	245.00
DataFlyer 2000S.....	85.00
DataFlyer XDS.....	69.00
HighFlyer 4000 Chassis.....	389.00

### OREGON RESEARCH

Cinema 4D.....	219.00
Clarity 16.....	199.00
Diskmagic.....	45.00
Gamesmith.....	78.00
Megalosound.....	49.95
On The Ball.....	34.00
Pro MIDI.....	49.00
Sequencer One +.....	35.00
Squirrel PCMCIA.....	109.00
Surf Squirrel.....	139.00
Termite TCP/iBrowse.....	89.00
Twist 2 Database.....	119.00
ZIP/JAZ Tools.....	25.00



The ONLY Amiga  
 image processing  
 software you'll ever need!  
 Image F/X 2.6.....225.00

## LIGHTWAVE TUTORIALS

F/X Kit for LW.....	29.00
F/X Kit for LW Adden.....	19.00
LW Power Guide NEW!.....	44.00

### CONSULTRON

CrossMAC.....	69.00
Read/write files from MAC floppies and harddrives directly from your favorite Amiga program.	
CrossDOS 6.0 Pro.....	39.00
The classic PC to Amiga utility has just been improved: faster floppy access, faster HD writes, creation of MS-DOS partitions.	

**Terms:** POs accepted from schools and govern-  
 ment agencies • Personal checks require 7 days  
 to clear • Defective products replaced  
 promptly. RMA number  
 required (call 414-548-8159)  
 for all merchandise returns.  
 Returns not accepted after  
 15 days. Returned  
 products must be in  
 original packaging,  
 postage prepaid.  
 Opened software not  
 returnable. Shipping  
 charges not  
 refundable. Non-  
 defective returns subject to a  
 15% restocking fee • Not  
 responsible for typos. Prices  
 subject to change.

## CD ROM DRIVES & TITLES

NEC CDR-222S 4X Int.....	125.00
External.....	195.00
*****	
3000 JPEG Textures.....	26.00
3D Images.....	15.00
3D Objects.....	15.50
Amiga Developer Vol 1.1.....	18.00
Amiga Repair Kit.....	39.00
Aminet Set 2, 3, 4.....	Call
Aminet Vols 8-16.....	Call
ASIM CD ROM FS 3.5.....	63.99
Corp Video Backgrounds.....	139.00
dataMIX.....	14.00
DEM-ROM.....	26.00
Desktop Video Dreams.....	49.00
Digital Motions Flyer Clips.....	129.00
Digital Motions JPEG.....	129.00
Eric Schwartz Prod.....	22.00
Geek Gadgets.....	19.00
Global Amiga Experience.....	29.00
GoldFish Vol 3.....	10.00
Humanoid (Imagine).....	89.00
Humanoid/LightWave.....	160.00
Imagine PD 3D.....	27.00
Kara Collection.....	79.00
Light ROM Vol 4.....	39.00
Light ROM Gold.....	29.00
LightWave 4.0 to 5.0.....	289.00
LightWave 5.0.....	Call
Magic Workbench.....	24.00
MAND 2000.....	44.00
Meeting Pearls 5.....	10.00
MODS Anthology.....	33.00
Multimedia Backgrounds.....	34.00
Octamed 6.....	20.00
Octamed Sound Studio VI.....	35.00
Personal Suite.....	75.00
Print Studio Pro.....	29.00
Pro Pics.....	31.00
Pyromania 1.....	139.00
Surface Pro/LW 3D.....	79.00
System Booster.....	19.00
Toaster 4.1d Upgrade.....	489.00
Universal 3D.....	135.00
UPD Gold.....	29.00
Utilities Experience.....	22.00
Video Collage.....	55.99
VideoGems.....	95.00
Visual F/X Vol 1 & 2.....	199.00

## TOSHIBA

**MM-20E45 20" TIMM Monitor.**  
 This is the perfect multimedia monitor  
 with built-in stereo, 181 channel  
 tuner, S-VHS and Composite inputs.  
 Now available in black. Call for price.



W226 N900 EASTMOUND DR., WAUKESHA, WI 53186

Circle 113 on Reader Service card



# This Old Workbench: Episode 6

## Progress is our Most Important Product

Mr. Matthews offers a variety of utilities to brighten up your Amiga or ease your task. This month's assortment includes a program to liven up your bland Amiga boot sequence, a utility to display icons for files with no icons, Pop up 3D style menus, solutions to mode promotion, and more.

*By Dave Matthews*



I have a lot of stuff to cover, so let's get to it. As usual, the Amiga programmers out there keep cranking out new code. I'm going to look at some major new versions of popular programs.

### Syspic40.lha

Grzegorz Calkowski  
Shareware

Syspic is a program that can liven up your bland Amiga boot sequence. Syspic can display IFF pictures, play sound samples and music mods, and can also display information about your Amiga, such as OS version, processor, time and date, etc.

Syspic has a very nice random file selection feature, so you can display a different picture with every boot. You can also tell Syspic which screen mode to open on, very nice for SVGA or Multisync monitors. See Figure 1 for a screen shot of Syspic at work.

### NewIcons3.lha (main) NewIcons31.lha (update)

Philip A. Vedovatti  
Eric Sauvageau Freeware

NewIcons, originally by Nicola Salmoria, has been taken over by Eric Sauvageau and Phil Vedovatti. Version 3, which is now a commodity, has some nifty features, including the ability to turn off the borders on icons, as well as make transparent areas in icons. A new preference program is also included. Some other new features include support for graphic boards. The new update includes DefIcons with an expanded brainfile.

DefIcons displays an icon based on the file type, for files with no icons. The new brainfile includes new file types like PNG and LZX. If you like the original icons that come with New Icons, be sure and check out Phil Vedovatti's Aesicons, a New Icons package, now up to release 9, Phil has created a ton of new icons to show off New Icons. Check out Figure 2 for a screenshot of my Workbench, using NewIcons v3.



Figure 1 (top): Syspic in Action

Figure 2 (bottom): NewIcons, CBE, Magic Menu



## MagicMenu2\_15.lha

Martin Korndörfer  
Olaf Barthel  
Mario 'padrino' Cattaneo  
Shareware

Magic Menu is one of the all time classic Amiga upgrades. This utility enhances the Amiga's menu system with Pop up, 3D style menus. Originally coded by Martin Korndörfer development is being continued by Olaf Barthel, with artwork by Mario Cattaneo. Version 2.15 features a more modern look, with graphic representation of keyboard shortcuts, checkmarks, separator bars, and drop shadows. See Figure 2 for a shot of Magic Menu.

## PictureMenu20.lha

Pawel Pijanowski  
Cardware

Picture Menu, by Pawel Pijanowski is another program to spruce up your Workbench menus. Version 2, features redone graphics, included animated menu graphics. If you happen to own a color font editor, such as Cloanto's Professional Font Maker, you can create your own images for Picture Menu. Note that Picture Menu does not work with Tools Daemon, which adds new menus to the Workbench menustrip, or Rekeyit, which lets you define your own keyboard shortcuts. Picture Menu does work with earlier versions of Magic Menu (such as 1.29), but may interfere with the new 2.15 version. See Figure 3 for an example of Picture Menu.

**Magic Menu is one of the all time classic Amiga upgrades. This utility enhances the Amiga's menu system with Pop up, 3D style menus.**

## PictDT43.lha

Ralph Schmidt  
F.Mariak  
Matthias Scheler  
Freely Distributable

In a previous episode of *Amazing Computing*, I covered a new picture datatype with support for 24 bit images. This new picture datatype, now at release 43.757 is still in its beta testing stage, but the author has eliminated the "expiration date" code. In earlier releases, this would cause the datatypes to quit working on a certain date, which caused a lot of confusion for people.

On the other hand, the author has dropped support for AGA, concentrating on Cybergrafx support. The datatype still works on an AGA machine, if you have the

\*\*\*WANTED\*\*\*

## A2000 Computers

New or Used  
(NTSC or PAL)

Call Toll-Free: 800 595-5534

Telephone (914) 578-6522, Fax (914) 578-6550

PAXTRON Corporation

28 Grove St., Spring Valley, NY 10977

Circle 135 on Reader Service card.



Figure 3 (top): Picture Menu, TinyMeter  
Figure 4 (bottom): ModePro preferences





Everything for Commodore Amiga Computers  
Sell • Trade • Repair • Buy

1420 County Rd 914  
Burleson, TX 76028

817-447-6974 - Repair/FAX line Main Number 817-295-7658

We carry a full line of hardware, software & magazines,  
both new & used, including European items & CD's.

Our flat-rate repairs include most parts & labor.

Catalog - \$2.95

Call for FREE Price Sheet on Closeout Items!

Trade in your unwanted items.

**We Want Amiga 2000s Working or Not!**

Introducing **Amiga Doctor**—Sick Computer?—Call Mike 817-447-6974

Videophiles! A4000/040—\$1795.00

\*Limited quantity on some items, 1st come - 1st served.

A500 Refurb	\$89.95	Composite Studio	\$99.95
A2000 Refurb	\$395.00	Directory Opus 5.5	\$89.95
Aminet CD Set 1, 2, 3, or 4	\$38.95	Worms—CD32	\$29.95
System Booster CD	\$19.95	Sensible Golf	\$29.95
Asim CDFS V3.4	\$77.95	Killing Grounds	\$37.95

Amiga monitors Available. We have hardware, SW, &  
accessories for the Commodore C64 & C128.

All Major Credit Cards Accepted.

ALL STORE ITEMS HAVE A 90 DAY WARRANTY. IF, FOR SOME REASON YOU  
ARE DISSATISFIED IN YOUR PRODUCT, YOU MAY RETURN IT FOR  
REPLACEMENT OR STORE CREDIT ONLY.  
SORRY NO REFUNDS

Circle 105 on Reader Service card.

earlier CyberNG library, but no new  
features or bug fixes will be added for  
AGA.

**akJFIF43x.lha**

**akPNG43x.lha**

**akGIF43x.lha**

Andreas Ralph Kleinert  
Shareware

In other datatype news, Andreas Ralph  
Kleinert has released new datatypes for  
PNG, GIF and JPEG images, which support  
24 bit picture datatype. The PNG and JPEG  
datatype have several options for display-  
ing hi-color images, including HAM, and  
dithering.

**I have found that the mode  
promotion facilities of WB 3.0 leave  
something to be desired.  
Particularly with a monitor that  
cannot display the NTSC or PAL 15  
KHz modes, some way of  
enforcing particular screen modes  
for programs is sorely needed.**

### Sins of Omission

The following are a few goodies I either  
missed or was unable to try before. Up till  
now I have been using a venerable old  
CBM2002 monitor, so I haven't had much  
luck with mode promotion. Since I can  
now borrow my PC's SVGA monitor, I have  
found that the mode promotion facilities of  
WB 3.0 leave something to be desired.  
Particularly with a monitor that cannot  
display the NTSC or PAL 15 KHz modes,  
some way of enforcing particular screen  
modes for programs is sorely needed.  
There are several programs to do this- the  
two I am familiar with are ModePro and  
NewMode.

### ModePro4\_17.lha

Michael Rivers  
Donationware

ModePro is a full featured Promotion  
utility. You have many options for dealing  
with mode promotion. You can select  
specific programs, screen names, or monitor  
modes that you want promoted. See Figure  
4 for the ModePro prefs.

### NewMode\_V39.lha

Andreas Linnemann  
Freely Distributable

NewMode is also a thorough solution to  
mode promotion. NewMode can promote a  
particular group of programs, and then be  
set to get out of the way. You can create a

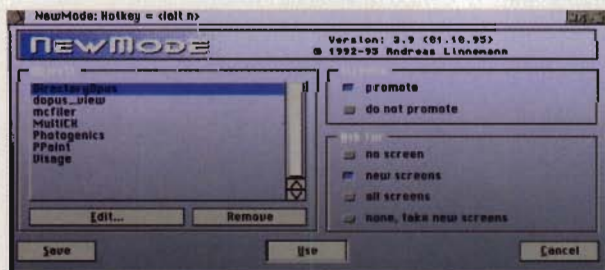


Figure 5 (left):  
NewMode Preferences

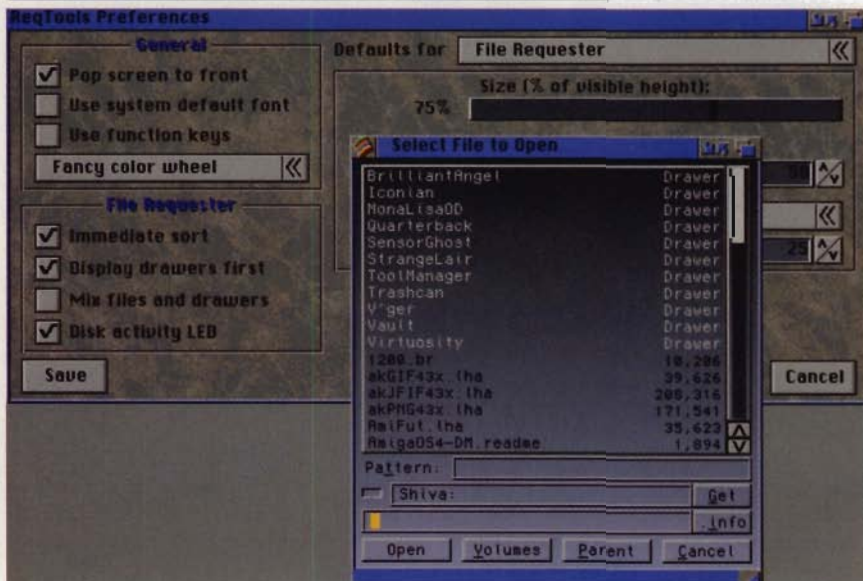


Figure 6 (below):  
ReqTools Preferences



# Grab History at a Bargain!

For a limited time (while supplies last) Amazing Computing back issues are on sale. This is the perfect opportunity to complete your collection, expand your library, or give friends the background they need for their Amigas.

## Any 12 issues of AC only \$20.00

(\$25.00 Canada and Mexico)

Take any 12 issues from any year,  
your choice of over 118 issues!

Need Faster Delivery?

Add \$3.00 per each  
12-issue set for priority mail.

## Any 4 issues of AC's TECH only \$40.00

Complete your AC's TECH Library at this special rate.  
Each issue comes complete with a disk  
filled with programs and examples.

For a listing of issues and contents,  
please see our ads in  
Amazing Computing, AC's GUIDE,  
and our web site at [www.pimpub.com](http://www.pimpub.com)

## Can't Wait?

Due to a delay in the release of our new AC's GUIDE  
While Quantities Last, AC's GUIDE S '94 is only \$7.00

(plus \$3.00 S&H).

All Guide orders will be shipped by priority mail in the US.

Canada and Mexico add \$4 for Shipping and Handling (surface mail),

Overseas readers, please add \$5 for Shipping and Handling (surface mail).

Credit Card Orders: 1-800-345-3360 (toll-free in the US and Canada)

International Orders: 1-508-678-4200 Fax orders: 1-508-675-6002

Mail checks or money orders to: PIM Publications Inc.,

P.O. Box 2140, Fall River, MA 02722



## Check Out Micro R&D On The Net!



### World Wide Web

[www.micrord.com](http://www.micrord.com)

Come visit our homepage and subscribe to our mailing list for periodic specials. Order GPFax, Directory Opus, Wizard Mice, etc. On Line. Refurb Bigfoots available with new warranties \$save!  
(800) 527-8797, (308) 745-1243,  
FAX (308) 745-1246

Circle 110 on Reader Service card.

list of programs you want promoted, and then NewMode will ignore other programs, quietly promoting only those programs you have listed. See Figure 5 for the NewMode Prefs.

### CBE402.lha

Anthony J Moringello  
Shareware

The Amiga's clipboard is very handy, but unfortunately, although there are up to 256 separate clip board units, usually you only can access one, which means, you can only copy one item at a time to the clipboard, and it overwrites any previous item stored there. Clipboard Enhancer (CBE) is a very handy utility which extends the capabilities of the Amiga's clipboard.

CBE adds a history, so you can copy items, text pictures, whatever, and they won't be overwritten. It also features a browser, so you can look over the items you have stored in the clipboard. If you have OS 3.0+, you can use datatypes to read text and/or view pictures right in the CBE window. See Figure 1 for the CBE Clipboard browser. (Thanks to Donald Feldbruegge for reminding me about this handy program!)

### Reqtools.lha

Nico François  
Magnus Holmgren  
Shareware

The ASL filerequester Commodore added with the 2.0+ OS was certainly an improvement over the mish mash of file requesters (when you even had a file requester!) under earlier versions of Workbench, but it does have a few quirks. One of my least favorite quirks is putting the directories at the bottom of the requester, after the files.

There have been a number of programs offering enhancements to the Amiga's requesters, and one of the more popular is ReqTools. The original version was by Nico François, a name familiar to readers of the series, and Amiga users in general. Lately the project has been taken over by Magnus Holmgren, and is now at version 2.7.

ReqTools features the following requesters: a query requester, a string requester, a number requester, a file requester, a font requester, a palette requester, a volume requester and a screenmode requester. ReqTools includes RTPatch, by Dave Jones, so all your system requesters can automatically use the new Requesters. See Figure 6 for the ReqTools prefs program, and a resultant file requester. In addition to the users package, programmers can get the developer package, and add these features easily to their own programs.

favorite font is a little hard to read. Enter Daniel Nyberg's OutlineFont. This little patch creates an outline around each character. You can use a contrasting color to make the text stand out against a busy backdrop. Again, see Figure 1 and 2 for this utility in action.

### lowfrag.lha

Eric Sauvageau  
Freely Distributable

In Episode 5 of This Old WorkBench, I mentioned I would like the New Amiga OS to avoid memory fragmentation. Well, while we all wait for the next generation of Amiga OS, here is a little utility that could help stave off memory fragmentation on your current Amiga.

Eric Sauvageau's (a familiar name!) LowFrag helps avoid fragmentation by using the memory pool system of the Amiga, and Exec's memory allocation flag MEMF\_REVERSE. Basically, little chunks of memory are allocated from one end of the memory pool, and big chunks are allocated from the other end. This prevents large areas of memory from being chopped up when little bits of memory are used.

Well, that's it for this episode. Again, please feel free to write me via Amazing or at my email address. See you next time.

**Dave Matthews**  
can be reached by email at  
[dm05438@navix.net](mailto:dm05438@navix.net)

OR

Please Write to:  
**Dave Matthews**  
c/o Amazing Computing  
P.O. Box 2140  
Fall River, MA 02722-2140

## The Amiga business program, WB1.3 & up

**Business Master**

**Stark Reality  
Software**

**A/R, A/P, G.L.  
Invoices, Billing  
Inventory, Payroll  
Client List**

Circle 126 on Reader Service card.

### TinyMeter.lha

Tinc Urou  
Giftware

Tiny meter, by Tinc Urou, could be thought of as a memory meter on steroids. In addition to displaying time and date, graphical memory, storage and CPU usage, it can also launch programs. See the right hand side of Figure 2 and 3 for different configurations of TinyMeter in action.

### OutlineFont.lha

Daniel Nyberg  
Freely Distributable

If you use an image for your window or workbench backdrop, you may find your

## Reprints Reprints

**TO ORDER  
CUSTOM  
REPRINTS  
OF ARTICLES IN:**

**Amazing/AMIGA**  
COMPUTING

**CALL**

**JILL HUGHES**

**AT: (800) 259-0470**

**Reprints Reprints**



# LIAGE INTERNATIONAL

36 Dye Street Garnerville, NY 10923

914-786-1711 Voice - 914-786-1708 Fax

Email: liage@qed.net

Homepage: <http://www.qed.net/liageinc/>

1-800 25 AMIGA  
Outside N.Y.



**NEW !!**  
**IN-TO-THE NET CD**  
**PLUS FREE OUT OF THE NET CD**  
**EVERYTHING YOU NEED TO GET**  
**ON LINE! SPECIAL \$ 18.95**

## THIS SOUNDS TERRIFIC !

Weird Science Sounds Terrific Double  
CD Set #1

Weird Science Sounds Terrific Double  
CD Set #2

The Second In A Series Dedicated To Music  
& Sounds. Contains Thousands Of Files For  
Amiga And PC. **BOTH FOR \$18.95**

## GAMERS' DELIGHT 2

This CD Contains 1,070 games, from all  
different categories. Action, Jump & Run,  
Card Games, Puzzles, Strategy Games,  
This CD will hold you captivated for hours.  
Over 70 games are Commercial Versions-  
no public domain.

**LIAGE PRICE \$ 19.95**

## SCI-FI SENSATION DOUBLE CD

Featuring over 1000mb of exciting Science  
fiction images, music, animations, 3D objects,  
Sound FX, documents, themetunes, sci-fi  
the games. Categories include: Babylon 5,  
Star Trek (the original) The Next Generation,  
Deep Space Nine, & Tons More. **\$ 25.95**

## AMINET SET 1

Consists of over 4 Gigabytes In 12,500 Archives

## AMINET SET 2

Offers Everything Added After Aminet #2, Plus  
300 Electronic Books. 4 Gigabytes 12,500  
Archives.

## AMINET SET 3

The World's largest Amiga Software Collection.

Includes: Free Imagine 4.0, XIPAINTE,  
OCTAMED 5 & More Games.

**\$29.95 EACH SET, ANY 2 FOR**  
**\$54.95 ALL 3 FOR \$73.95**

## THE LEARNING CURVE CD

A Fantastic & magical journey through exciting subjects  
containing over 32,000 files that will delight both young & old.

Subjects include: Aircraft, Art, Computers, Desk Utills,  
Electronics, Engineering, Geography, Health, History, Hobbies,  
Educational, Fairy Tales, Math, Spelling, Languages, Literature,  
Drama, Music, Mythology, Philosophy, Religion, Science,  
Astronomy, Biology, Books, Chemistry, Ecology, Geology &  
Much More. All the programs can be run directly from the CD.  
This CD is worth its' weight in gold and provides productive  
entertainment for all ages.

**LIAGE PRICE \$ 19.95**

## HORROR SENSATIONS CD

Images, Games, Animations, Stories, Samples  
and more. This new CD is an inavative new  
multi-format CD ROM containing anything and  
everything to do with HORROR. Thousands of  
color pictures from hundreds of Horror films, as  
well as true life. Hundreds of awesome  
animations, screams, stabs, japs, and other gory  
sound effects, horror stories, hundreds of  
Atmospheric haunting music tracks, Horror  
games, and more!

**LIAGE PRICE \$ 24.95**

## 3D CD OBJECTS

## 3D CD IMAGES

**\$ 11.99 Each.**

## AEGIS ANIMATOR

Includes Aegis Images Paint System, Put Your  
Ideas In Motion. This Program Alloews You To  
Create Different Shapes and Animate Them..  
Over 4000 Colors. **\$ 3.95**

## ANIME BABES

Over 5000 Erotic Hand Drawn Images in The Japanese  
ANIME Tradition. This CD is in Generic GIF Format  
Allowing Display on any System with a CD ROM.

**LIAGE SPECIAL PRICE \$16.95**

## BREATHLESS

A1200/4000

Experience 360 Degree first person  
firepower in BREATHLESS. 3D Raytraced  
graphics. 96% Amiga Format Rating.

This game has taken the Amiga where no  
Amiga Has Gone Before. Hold Your Breath  
Here We Go. With **FREE COPY OF**

## CARL LEWIS CHALLENGE

**A LIAGE SPECIAL AT \$ 31.99**

## WORLD GOLF

Challenge 5 of the world's most famous courses. 1-4  
players. Complete 18 hole courses. Super smooth 360  
degree scrolling. 5 skill levels, 64 computer opponents.  
Practice mode, 18, 36, or 72 hole tournaments. Skins  
game-play for money. Player database for up to 40  
players. Auto caddy option. Hard drive installable.

**SPECIAL LIAGE PRICE \$ 12.95**

## ARCADE CLASSICS PLUS CD

Arcade Classics Plus Contains Hundreds of  
Variations of All Your Favorite Games.

Includes: Pacman, Asteroids, Invaders,  
Galaxians, Donkey Kong, Pengo, Tetris,  
Defender, Frogger, Missile Command,  
Battlezone, Tempest, Combat, Tron, Space  
War, Thrust, Q-Bert, Lode Runner, Hunchback,  
Moon Patrol, Trail Blazer, Breakout, and Loads  
More. **SPECIAL AT \$ 20.95**

## AMINET 15 or 16 \$ 17.95

## THE EPIC INTERACTIVE ENCYCLOPEDIA CD

This New CD is an Exciting new Multi-Media  
CDROM. It Features a superb 256 color interface.  
hundreds of film clips, sound samples and subject  
information. Features include: True Multi-Media  
Interface unlike anything ever seen. The very latest  
information from around the World. Thousands of  
subjects covered from Aachen to Zurich. Hotlist editor  
so you can create lists of particular subjects. Fully  
spoken Media Show, Hundreds of Images, Import New  
subjects from the Internet or from floppy disk. Export  
Data to Printer or File and use it in your own projects.  
Search and deep search facility. Create and add your  
own subject matter.

**LIAGE SPECIAL \$ 45.95**

## WOMEN OF THE WEB

This new CD is an exciting multi-media experience  
bringing all the latest technology into your home. The  
CD is compiled in HTML format. Using pictures, Text  
Files, Animations and sound samples. Over 450 MB  
of the world's most beautiful women.

**SPECIAL \$ 31.95**

## MEETING PEARLS IV

Brand New In The Latest Meeting Pearls  
Series. This Edition Offers The Highest  
Quality At The Lowest Possible Price. Filled  
With Hiugh Quality Well Tested Software.  
Several Different Search Tools Make Finding  
and Exciting of Software Packages Straight  
From The CD a Snap.

**LIAGE SPECIAL PRICE \$ 12.00**

## GFX SENSATIONS

Welcome to the best collection of graphic tools ever  
on CD. 24 Bit images, Animations such as  
JUMP GATE, The Apache 3D Helicopter and the  
Space Animation by Samuel Rees. A Huge collection  
of IMAGINE users - that will take you years to go  
through. Categories include: Anatomy, Animals,  
AREXX, Aviation, Bathroom, Botany, Building,  
Clocks, Computers, Earth, Fonts, Food, Furniture,  
Kitchens, Land, Logos, Music, Globe, Motions,  
Objects, Phones, Ships, Space, Sports, Text, Textures,  
Rock, Stone, Water & Much More!!

**LIAGE SPECIAL \$ 19.99**

## MULTIMEDIA TOOLKIT

Over 10,000 Files. 500 Original 24 Bit Images  
(with conversions) to Ham8 & Ham) 1308 Color  
Clipart & 2139 Mono 93 Scaleable Clips. 195  
Standard Fonts & 120 Colored 107 Adobe, 79 CG, &  
80 PS Fonts, 750 Music Modules & 2300 Samples  
And Much More. Amiga & PC Compatible.

**SPECIAL PRICE \$ 8.99**

## MULTIMEDIA TOOLKIT 2 DOUBLE CD

A Double CD Rom Set Geared to the Music & Video  
Professional. Contains over 1.2 Gigs of the very best  
Graphics & Sound. Provides Absolutely Outstanding  
Quality. Includes the full version of Octamed 5.04  
along with 250 megs of support samples and Mods  
from the Med User Group. Over 50 Megs of  
MidCraft Midi, Music X, Over 500 24 Bit Graphic  
Images. Contains over 2,000 objects.

**LIAGE SPECIAL \$ 21.95**

## ARTWORX CD

Comprises of Thousands of Images Computer  
Generated. Both Images & Clip Art In Color.  
The Images Have Been Catagorised making it easy to  
find just the right image for your use. Super CD

**SPECIAL PRICE \$ 10.95**

Comprises of Thousands of Color Images & Clip Art.

## CHILDRENS' CORNER

### All Floppy Titles

Bully's Sporting Darts  
Dino Detective Agency  
High Steel  
Huckleberry Hound  
Playdays Paint  
Postman Pat 3  
Operation Hormuz  
Snapperazzi  
Sooty's Fun With Numbers  
Sooty & Sweep



**\$ 3.99  
EACH**

**Thomas The Tank Engine \$ 6.99**

**Thomas's Fun With Words \$ 6.99**

## NOTE

Add \$ 5.50 Minimum for shipping (UPS Service)  
Within The USA. International Orders Must Use  
Credit Card, Or International Money Order. All  
Prices subject to change, subject to stock on hand.  
NY residents subject to state tax.  
VISA/MC/DISC/AM. EXPRESS



The Amiga Sale continued...



## VIScorp fades as Quikpak Announces Offer for Amiga Technologies

*After VIScorp announced it had lost its bid position (see Amazing Computing February issue), many Amiga users were dismayed that the Amiga was once again thrown to the whims of fate. In late December, QuikPak's C.E.O., Dave Ziembicki, published the following letter.*

Computing, forging alliances with Amiga developers and supporters, and developing new products of our own. Recently, at AmigaFest in Toronto, we unveiled two new computers and we have been shipping the '060 Accelerator for the A4000T. We believe this

distributors, and dealers is necessary to make the Amiga a success. And, perhaps most importantly of all, we believe in listening to you, the person who has kept this platform alive.

We hope that the new year will allow us to bring you good news, that QuikPak will be successful in our negotiations with the German liquidator. We trust that the liquidator will move quickly, and justly, to see these events through. We encourage any and all input from the Amiga Community - let us know what you want to see. And, finally, we encourage those responsible for handling the Amiga Technologies' assets to be as open as we at QuikPak are striving to be.

**"QuikPak believes that there is more to the Amiga than a simple set top box. We believe that the A4000 and its successors have a place in the market. We believe that a model along the lines of the A1200 also can play an important role in the future of the Amiga."**

### An open letter to the Amiga Community

The past few years have not been kind to the Amiga Community. Since the demise of Commodore, the ownership and future of the Amiga has been continually uncertain. The only thing that has remained constant is the loyalty of Amiga users. It is with respect to this loyalty that we feel it necessary to let YOU know the current state of affairs and what QuikPak is doing to see that the Amiga has the successful future it so deserves.

Back when Amiga Technologies was owned by Escom, QuikPak was selected to manufacture the complete A4000T and components for the A1200. During the collapse of Escom and the subsequent negotiations with VIScorp, QuikPak continued manufacturing and servicing Amiga Computers. Throughout this time of uncertainty, QuikPak continued to support the platform, placing ads in the North American publication Amazing

product development clearly demonstrates our commitment to the Amiga.

It now appears evident that negotiations between VIScorp and Amiga Technologies have reached a standstill. As a creditor of Amiga Technologies, QuikPak has a vested interest in seeing the future of the Amiga handled properly. To this end, QuikPak has placed an offer in front of the German liquidator for Amiga Technologies, and we are awaiting further information regarding this.

What does this mean to you, the end user? QuikPak believes that there is more to the Amiga than a simple set top box. We believe that the A4000 and its successors have a place in the market. We believe that a model along the lines of the A1200 also can play an important role in the future of the Amiga. We further believe that products currently under development at QuikPak can bring the Amiga back to the forefront in innovation. We believe that working closely with developers, other manufacturers,

Sincerely,  
Dave Ziembicki  
C.E.O  
QuikPak Corporation

Dan Robinson  
Director of Business Development of  
Amiga Computers  
QuikPak Corporation

### Here We Go Again?

*Maybe not! As of press time, the bid is still in process. However, the ESCOM trustees have already spent a great deal of the creditors time and money without a resolution to this situation. According to several sources, the non-Amiga portions of the ESCOM empire have already been liquidated. The creditors will need to realize a return on the money they are owed soon before any more devaluation occurs and they will be pressing the trustees, their representatives, for action immediately.—ED*

•AC•



## Paxtron is North America's largest wholesale supplier of Amiga replacement and upgrade chips

## REPLACEMENT &amp; UPGRADE CHIPS

(Factory New)	PRICE
1.3 ROM O/S	\$12.50
2.04 ROM O/S	\$19.95
2.05 ROM (V37.350) (A500 & A2000)	\$19.95
2.04 ROM A3000 (Set of 2 Rom O/S)	\$34.50
2.1 Workbench for floppy users (complete O/S without support file)	\$7.95
3.1 ROM (A500/A2000)	\$49.95
3.1 ROM (A3000/A4000)	\$62.50
3.1 ROM (A1200)	\$62.50
3.1 ROM(s) Software Manual	\$124.00/\$137.50
ROM Switch/Switch-It with speaker	\$17.50
3.1 manual only	\$69.95
3.1 Software	\$10.00
3.1 Workbench for floppy users (complete O/S without support file)	\$7.95
A2091 7.0 ROM Upgrade	\$19.95
A2620/30 7.0 ROM Upgrade	\$19.95
8520 CIA	\$11.95
8372A/8375 Agnus with diagnostic disk/guide	\$29.95
8375-B (2MB) (A3000) 318069-03	\$25.00
8375-10 Agnus (318069-10) PAL	\$17.95
8375-18 Agnus (318069-18) 2 meg PAL	\$15.95
Agnus PLLC chip puller	\$10.50
Paula (8364) A500/A2000	\$10.95
Denise (8362) A500/A2000	\$10.95
Super Denise 8373 w/diagnostic disk	\$19.95
Gary 5719 A500/A2000	\$10.95
Buster 5721 (A2000)	\$16.95
68000-8MHz CPU (DIP)	\$11.50
68000-16MHz CPU (DIP)	\$22.50
68030-RC50 PGA	\$84.50
68882-25 PGA	\$24.95
Western Digital SCSI chip 8	\$27.50
Video Hybrid (A500 390229-03)	\$9.95
GVP Upgrade Chip Series II	\$29.95
6570-01 (71) (315107-01) Keyboard, IC	\$14.95

## SURFACE MOUNTED DEVICES

(For A1200, A3000, A4000, CD32)

8520 PLLC (391078-02)	\$19.50
Amber (390538-03)	\$24.50
DMAC 4 (390537-04)	\$34.50
Lisa (391227-01)	\$24.50
Ramsey (rev. 4) 390544-04	\$19.95
Ramsey (rev. 7) 390541-07	\$36.50
Alice 8374 (391010-01)	\$25.00
Gal (KX9) (390123-01)	\$21.95
Gayle (315107-02)	\$19.95

Budgie (391425-01)	\$33.95
Super Denise (391554-01)	\$29.95
6571 Keyboard Chip (391079-01)	\$14.95
6570-036 Keyboard Chip (328191-02)	\$14.95
Paula 8364 (391077-01)	\$27.95
Gary (390540-02)	\$32.95
Super Buster Rev. 11 (390539-11)	\$34.50
Bridgette (391380-01)	\$29.50
Video DAC (391422-01)	\$19.95
68000CPU (390034-07)	\$13.95
68020-16 (391506-01)	\$18.95
MC 6882RC25A PGA New (390434-01)	\$19.95
MC 6882RC20A PGA	\$30.00
MC 6882RC33A PGA	\$37.50
XC 6882RC40A PGA	\$69.95
MC 68030FE25B OFP (390399-05)	\$19.95
MC 68030RC50 PGA	\$79.95

## MOTHERBOARDS (Factory New)

CD32 (no RAM memory) NTSC	\$89.95
CD32 complete with RAM/NTSC	\$109.95
CD32 complete with RAM/tested (PAL)	\$89.95
CD32 replacement CD mechanism	\$39.95
A500 (rev. 3) inc all chips (see below)	\$49.50
A500 (Rev. 5/6)	\$89.50
A600	\$134.00
A1200 (NTSC) Limited quantity 3.0 O/S all memory New	\$289.95
A1200 (PAL) Limited quantity 3.0 O/S all memory New	\$279.95
A2000 LATE Rev. 8372/2.05	\$399.95
A3000 (16MHz)	\$299.95
A3000 (25MHz)	\$359.95
A3000T (Tower) 25MHz	\$389.95
A4000 (limited quantity)	\$29.95
C64 (refurbished, tested all chips)	\$29.95
C64 untested, all chips clearance	\$2525.00
C128	\$49.95
C128D	\$69.95
1541 II	\$17.95
1541 Alps (15000401)	\$17.95
1571 Newtronics (310420-01)	\$17.95

## AMIGA FLOPPY DRIVES (Factory New)

High Dens. External floppy for all Amigas	\$114.95
High Density Internal Floppy Drive:	
A3000/A4000 (Specify)	\$104.95
A2000	\$109.50
A500 Internal 80K	\$38.95
A600/1200 Internal	\$47.50
A600/1200 new Amiga Tech. special release button	\$1.95
A2000 Internal 880K	\$39.95

A3000 Internal 880K	\$49.95
A4000 Internal 880K	\$49.95
CD32 Replacement CD mechanism	\$39.95
1541 (refurbished)	\$39.95
1571 (limited quantity)	\$49.95

## POWER SUPPLIES (Factory New)

A500	\$38.95
A500/A600/A1200 Big Foot (200 Watt) Micro R/D	\$79.95
A500 power supply (used) 220 volts Europe	\$19.95
A590	\$19.95
A1200 110 volts original factory	\$38.95
CD32 Original / Factory (110 volts)	\$21.95
CD32 Original / Factory (220 volts)	\$14.95
CD32 Big Foot (200 Watt) Micro R/D	\$74.50
A2000 110/220V internal original	\$89.95
A2000 Big Foot (300 Watt) Micro R/D	\$144.50
A3000 internal (110/220 volts)	\$110.00
A3000 Big Foot (250 watts) Micro R/D	\$144.50
A3000 Tower	\$124.00
A4000 internal (110 volts)	\$119.00
A4000 int. 300 Watt Big Foot (exchange)	\$169.95
1084S Philips Flyback Transformer only	\$38.95
1084-D1 Philips/Daewoo Flyback only	\$38.50
1084-D2 Daewoo Flyback Transformer only	\$38.50
1084S new Motherboard/Flyback	see below
A2000 power supply board (refurbished)	\$29.95
C64 nonrepairable	\$14.95
C64 repairable	\$19.95
C64 5.2 amp Heavy Duty (also 1750 REU)	\$39.95
C65 220 Volts	\$12.50
C65 110 Volt	\$21.95
C128D Internal	\$24.95
C128 external 5.2 amps	\$39.95
1541 II/1581	\$7.50

## KEYBOARDS (Factory New)

C64	\$17.95
C65 (Special Keyboard)	\$19.95
A500 (limited quantity)	\$39.95
A600	\$26.50
C128D (limited quantity)	\$24.95
A1200	\$34.95
A2000 US version (Amiga Technologies)	\$74.50
A3000 US version (Amiga Technologies)	\$74.50
A4000 US version (Amiga Technologies)	\$74.50
Amiga compatible IBM keyboards	see below
A2000 keyboard adapter to A4000	\$8.95
A4000 keyboard adapter to A2000	\$8.95
6570-01 (71) (315107-01) Keyboard, IC	\$14.95

## ADD ON BOARDS (Factory New)

68020-030 (A4000)	\$67.95
A386 (20MHz) Bridgeboard /SW /instr.	\$259.95
A2088XT/AT Bridgeboard Kit/Drive, manuals (A2000)	\$29.50
A2058 (8K) (A2000) Expansion board 8K	\$69.95
A501 original Ram Exp. - 512K (A500)	\$17.95
Microway Flickerfixer	\$224.00
Slingshot Pro/pass thru (Micro R/D)	\$37.50
A1050 RAM Expander (A1000) 256K	\$10.95

## ACCELERATORS

Apollo	CALL
Phase 5	CALL

## MOUSE CONTROLLERS (Factory New)

Amiga 1352	\$22.50
Wizard 3-button (for all Amigas)	\$22.95
A4000	\$26.85
Amiga CDTV	\$15.95
Amiga A1200 mouse port replacement kit	\$7.95
CD32 controller	\$11.75

## DIAGNOSTICS

Advanced Amiga Analyzer (see below)	\$59.95
Final Test diagnostic disk by Amiga	\$7.95
Amiga Troubleshooting Guide	\$7.95
Commodore Diagnostician II	\$6.95
C64/128 Dead Test cartridge/manual	\$19.95
Service Manuals	SEE BELOW

## CLEARANCE SALE

ICD Ad RAM 2080	\$49.95
ICD Ad SCSI 2000	\$49.95
ICD Ad SCSI 2080	\$59.95

## A520 (New) Video Modulator

Adapter kit/cables/instructions	\$12.50
2.04/3.1 ROM Switch - (Switch It!) with speaker	\$17.50
256X4 RAM for A2058 expander, etc.	\$4.50
15-23 pin adapter cable	\$19.95
Monitor Cables - 30 Different types	CALL
C64 untested motherboard/all chips	2 for \$25.00
C128 untested motherboards/all chips	\$19.95
Monitors: 1084S, 1950, 1802, etc.	SEE BELOW
CDTV modulator	\$2.95
CDTV unit (No Cabinet)	\$89.00
Laser printer memory board 8K (All HP units)	\$24.95
Sony CD6150 data cartridge	\$7.50
A1200 top/bottom case	\$19.50
Joystick - Captain Grant (for all Amigas)	\$2.95

## ★ ONLY AT PAXTRON ★

## ADVANCED AMIGA ANALYZER 2.0™

## AN INEXPENSIVE DIAGNOSTIC ANALYZER THAT WORKS ON ALL AMIGAS

A complete diagnostic hardware and software analyzer (uses point and click software interface.) The analyzer cable plugs into all Amiga ports simultaneously and through sophisticated software, displays 8 screens to work from. Shows status of data ports, memory (buffer) checker, system configuration and auto test. Reads diagnostic status of any read/write errors from track 0 to track 79. Software automatically tells what errors are found and the chips/components responsible. 85 to 90% of the problems presented to service centers are found with this analyzer. Saves you lots of money on repairs and no end user or repair shop can afford to be without one. Don't be fooled by its low cost. Simply plug in cables from the analyzer box. This diagnostic tool is used by end users and Amiga repair centers worldwide and is the only one of its kind. Over 15,000 sold.

New low price

\$59.95

•• New 2.0 Version ••

## Amiga "Q-Drive" 1241 CD ROM Drive for the A1200

The Amiga Technologies "Q-Drive" 1241 is a PCMCIA interface for the Amiga 1200 (CD32 emulator). It is a super fast CD-ROM drive equipped with a PCMCIA connector.

Price: \$179.95 (Quantity pricing available)

## ★★★ WANTED ★★★

Get Cash for your A2000 computers.

New or Used (NTSC or PAL).

We pay top dollar. We also pay UPS shipping charges.

## ATTENTION DEALERS

Paxtron has been appointed as a North American distributor for ACT Apollo and Phase 5 accelerators. Give us a chance to quote you our best prices.

Web page: [www.paxtron.com](http://www.paxtron.com)

Our web page is continually updated with latest products and price changes. Visit us and check it out. Enter your order there or by E-mailing us at [paxtroncorp@rcn.net](mailto:paxtroncorp@rcn.net).

ATTENTION DEALERS: If you would like to receive our dealer catalog fax us your letterhead.





## ***ImageFX for the Toaster/Flyer!***

### **Video Toaster™ Support**

ImageFX's advanced Toaster support not only allows you to capture and display video frames, and to load and save images in the Framestore file format, it also allows you paint **directly** on the Toaster's composite output.

### **Flyer™ Support**

Support provided for loading and saving new Flyer clips so you can add special effects, transitions, and rotoscoping to your Flyer clips.

### **Lightwave 3D™ Support**

Extensive painting tools and Arexx support allows the power user to create hand painted textures, and automatically add special effects to Lightwave rendered scenes.

### **Blue and Green Screening**

Cinematte™ is included with ImageFX to perform digital blue or green screen keys with professional, reproducible, results. More than just simple Chroma-keying, you can actually maintain precise details such as hair, glass, and smoke, and output finished composites or individual elements for use in Lightwave!

### **Morphing and Warping**

CineMorph™, the Amiga's most popular full motion, cinematic quality morphing and warping package, is included at no extra charge.

### **Wire Removal**

Advanced Wireless™ program is included to remove wires, support rigs and even film scratches from your work. Supports key framing and sequence processing as well.

### **File Format Conversion**

Professional support for reading and writing nearly all file formats from a wide range of platforms such as Amiga, PC, Macintosh, Sun, SGI and many more.

### **Image Processing and Effects**

Functions and effects that can create fires, swirls, waves, ripples, sparkles, lightning bolts, motion blurs, electric arcs, distortions, edge detects, mosaics, lens flares, turn your video into paintings and a million other possibilities!

### **ARexx and Batch Processing**

Sophisticated ARexx batch scripts can be run with ImageFX's AutoFX and IMP batch processing utilities. Don't know ARexx? Automatic macro recording is built right in to write your scripts for you! ImageFX is also compatible with Visual Inspiration's Flyer utility, Control Tower, for advanced Flyer interaction.

With ImageFX and your Toaster, or Toaster/Flyer system, you can achieve creative heights you never thought reachable. You'll be able to create video masterpieces impossible to create on any other platform at any price! That's why the magazine **Video Toaster User** said about ImageFX, **"You need this program. Period."**



Circle 106 on Reader Service card.

**Nova Design, Inc., 1910 Byrd Avenue., Suite 214, Richmond, VA 23230**

**Dealer Sales: (804) 282-5868 - Fax: (804) 282-3768 - Customer Support: (804) 282-6528**

*All registered and unregistered trademarks are the property of their respective owners.*